SONOS
THE WIRELESS HIFI SYSTEM

Play Media World.co.uk

Sonos Controller for Mac or PC
Product Guide

Sonos Controller for Mac or PC

Chapter 1 Overview

Chapter 2 System Setup

Chapter 3 Managing Rooms

Chapter 4 Managing and Playing Music

Contents

Chapter 5 Sonos Controller for PC

Chapter 6 Sonos Controller for Mac

Appendix A Tips and Troubleshooting

Appendix B Sonos Device Specifications

Index

Regulation Information

Europe

SONOS declares that this product herewith complies with the requirements of the EMC Directive 2004/108/EC, the Low Voltage Directive 2006/95/EC and the R&TTE Directive 1999/5/EC when installed and used in accordance with the manufacturer's instructions. A copy of the full Declaration of Conformance may be obtained at *www.sonos.com/support/policies*.

Europa

SONOS erklärt hiermit, dass dieses Produkt den Anforderungen der EMV-Richtlinie 2004/108/EC, der Niederspannungsrichtlinie 2006/95/EC und der R&TTE-Richtlinie 1999/5/EC entspricht, sofern es den Anweisungen des Herstellers gemäß installiert und verwendet wird. Die vollständige Konformitätserklärung finden Sie unter *www.sonos.com/support/policies*.

Europe

SONOS certifie que ce produit est conforme aux exigences de la directive CEM 2004/108/EC, de la directive basse tension 2006/95/EC et de la directive 1999/5/EC sur les équipements hertziens et les équipements terminaux de télécommunications, sous réserve d'une installation et d'une utilisation conformes aux instructions en vigueur du fabricant. Une copie complète de la Déclaration de conformité est disponible sur le site *www.sonos.com/support/policies*.

Attention In France, operation is limited to indoor use within the band 2.454-2.4835 GHz.
(Attention. En France, l'utilisation en intérieur est limitée à la bande de fréquences 2,454-2,4835 GHz.)

USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- All SONOS devices have in-product antennas. Users cannot reorient or relocate the receiving antenna without modifying the product.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Caution: Modifications not expressly approved by the manufacturer may void the user's authority to operate the equipment under FCC rules.

Canada

This Class B digital apparatus complies with Canadian ICES-003 and RSS-210. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Canada

Cet appareil numérique de classe B est conforme aux normes ICES-003 et RSS-210 en vigueur au Canada. Son fonctionnement est soumis aux deux conditions suivantes: (1) Cet appareil ne doit pas créer d'interférences nuisibles. (2) Cet appareil doit tolérer toutes les interférences reçues, y compris les interférences pouvant entraîner un fonctionnement indésirable.

Industry Canada

The installer of this radio equipment must ensure that the product is located such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site *www.hc-sc.gc.ca/index-eng.php*. As mentioned before, the installer cannot control the antenna orientation. However, they could place the complete product in a way that causes the problem mentioned above.

Industrie Canada

L'installateur du présent matériel radio doit veiller à ce que le produit soit placé ou orienté de manière à n'émettre aucun champ radioélectrique supérieur aux limites fixées pour le grand public par le ministère fédéral Santé Canada ; consultez le Code de sécurité 6 sur le site Web de Santé Canada à l'adresse : *www.hc-sc.gc.ca/rpb*. Comme indiqué auparavant, l'installateur ne peut pas contrôler l'orientation de l'antenne. Il peut néanmoins placer le produit tout entier de manière à provoquer le problème décrit ci-dessus.

RF Exposure Requirements

To comply with FCC and Industry Canada exposure essential requirements, a minimum separation distance of 20cm (8 inches) is required between the equipment and the body of the user or nearby persons.

Recycling Information

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead please deliver it to the applicable collection point for the recycling of electrical and electronic equipment. By recycling this product correctly, you will help conserve natural resources and prevent potential negative environmental consequences. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Overview

The Sonos Controller for Mac or PC

- Lets you control all your music and rooms from any desktop or laptop computer in your house.
- The Setup CD is included with most Sonos components so you can turn any or all of your computers into multi-room music controllers for free.
- Insert the CD and let the software quickly guide you through setup and music sharing.

Your Home Network

To access Internet music services, Internet radio, and any digital music stored on your computer or Network-Attached Storage (NAS) device, your home network must meet the following requirements:

Home network requirements

- High-speed DSL/Cable modem, or fiber-to-the-home broadband connection for proper playback of Internet-based music services. (If your Internet service provider only offers Satellite Internet access, you may experience playback issues due to fluctuating download rates.)
- If your modem is not a modem/router combination and you want to take advantage of Sonos' automatic online updates, or stream music from an Internet-based music service, **you must install a router in your home network**. If you do not have a router, purchase and install one before proceeding.
- If you are going to use a Sonos controller application on an Android™ smartphone, iPhone®, iPod Touch®, iPad® or other tablet, you may need a wireless router in your home network. Please visit our Web site at ***http://faq.sonos.com/apps*** for more information.
- Connect at least one Sonos component to your home network router using an Ethernet cable, and then you can add other Sonos components wirelessly.
- For best results, you should connect the computer or NAS drive that contains your personal music library collection to your home network router using an Ethernet cable.

System requirements

- 500 MHz processor or better
- 128 MB RAM minimum/256 MB RAM recommended
- Network hardware as described above

Chapter 1

Compatible operating systems

- Windows® XP and higher
- Macintosh® OS X, 10.4 and higher

Compatible music services

- Audible
- Anubis
- Aupeo
- Classical.com
- Deezer
- iheartradio
- Last.fm™
- MOG
- LiveDownloads.com
- Pandora®
- Rdio
- Rhapsody®
- SiriusXM® Internet Radio
- Spotify®
- Stitcher
- Wolfgang's Vault
- and downloads from any service offering DRM-free tracks

Sonos is always adding new music services. Just remember that Sonos is compatible with any download service that provides DRM-free tracks. For the latest list of compatible music services, you can visit our Website at *www.sonos.com/howitworks/music/partners/default.aspx*.

Compatible playlist formats

- iTunes®
- Musicmatch™
- Rhapsody®
- Windows Media® Player
- WinAmp®
- Compatible audio formats
- MP3
- WMA
- AAC (MPEG4)

- iTunes Plus
- Ogg Vorbis
- Audible .AA files (format 4)
- Apple Lossless
- Flac (lossless)
- Uncompressed WAV and AIFF files
- Native support for 44.1kHz sample rates. Additional support for 48kHz, 32kHz, 24kHz, 22kHz, 16kHz, 11kHz, and 8kHz sample rates.
- Previously purchased Apple "Fairplay" DRM-protected songs may need to be upgraded. See Apple for details. WMA Lossless formats not currently supported.

Compatible streaming formats

- MP3
- WMA
- AAC

Note: For the latest system requirements, including supported operating system versions, please visit our Web site at *http://faq.sonos.com/specs*.

Technical Support

Whatever you need, our Sonos Support team is just an email or live support chat away.

- **Email**: *support@sonos.com*
- **Web site**: *www.sonos.com/support*

Visit our Forums, browse our Frequently Asked Questions (FAQ) pages, or request assistance.

- **Live Text-Chat and Telephone Numbers:** *www.sonos.com/support/contact*

Live chat or find the correct telephone number for your country.

Additional Information

- For the latest product documentation, go to *www.sonos.com/support/guides*
- For the latest system requirements or compatible audio formats, go to *http://faq.sonos.com/specs*
- For the latest Sonos Wireless HiFi System product news, go to *www.sonos.com*

System Registration

Registering your music system allows you to receive technical support, Sonos software upgrades, and several free music service trials. At no time is any of your information provided to other companies.

Select **Sonos System Registration** from the **Help** menu (PC) or the **Sonos** menu (Mac).

Language Preference

Using the Sonos Controller for PC

1. From the **File** menu, select **Preferences**.

2. Select the **General** tab.

3. Select your language preference from the **Language** field.

Using the Sonos Controller for Mac

The Sonos Controller will try to use the language you have selected in your OS X operating system (System Preferences).

System Setup

New to Sonos?

It takes just a few steps to get your Sonos Wireless HiFi System up and running. See "Your Home Network" on page 1-1 to make sure your home network is ready for Sonos, and then refer to the Quick Start Guide packaged with your Sonos component or go to "Setting Up a New Sonos System" on page 2-2 for installation instructions.

Follow the setup instructions in sequential order to ensure you set up your Sonos Wireless HiFi System correctly.

Already have Sonos?

If you are adding components to an existing Sonos system, see "Adding to an Existing Sonos System" on page 2-6.
.
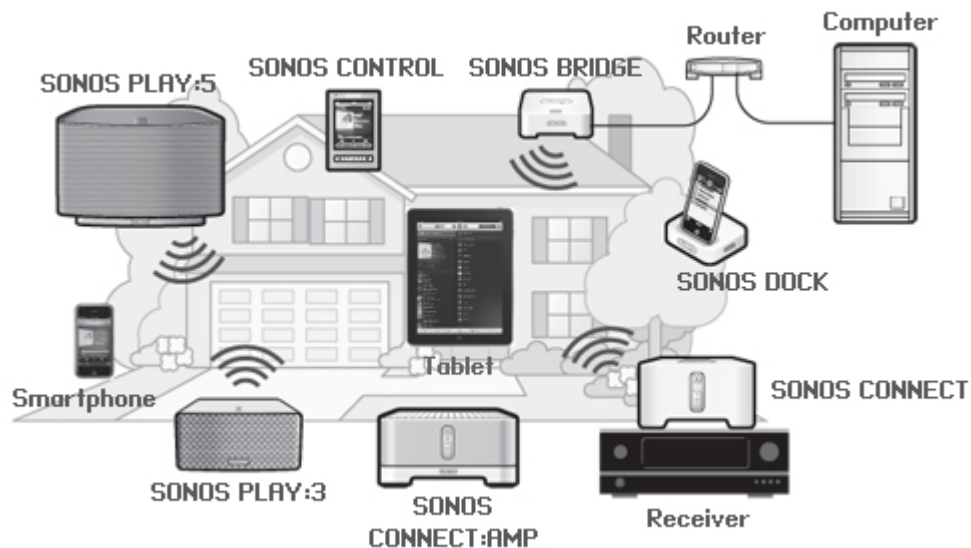
Chapter 2

Setting Up a New Sonos System

Step 1: Connect one Sonos component to your router

Note: **Which Sonos component should I connect to my broadband router?**

If you don't plan to listen to music in this room:
- Connect a SONOS BRIDGE to your router

If you want to listen to music in this room:
- Connect a SONOS PLAY:5 or PLAY:3 (which has built-in speakers)
- Connect a SONOS CONNECT:AMP with your choice of speakers
- Connect a SONOS CONNECT with an external amplifier or powered speakers

Connect an Ethernet cable (supplied) from an Ethernet switch connector on the back of the Sonos component to an open port on your router. Do not connect the Sonos component directly to your cable or DSL modem unless your modem has a built-in router.

(If you have structured (built-in) network wiring that connects to a router located elsewhere in your home, you can connect from a live wall plate to the Ethernet switch connector on the back of your Sonos component.)

Setup illustration (into Router)
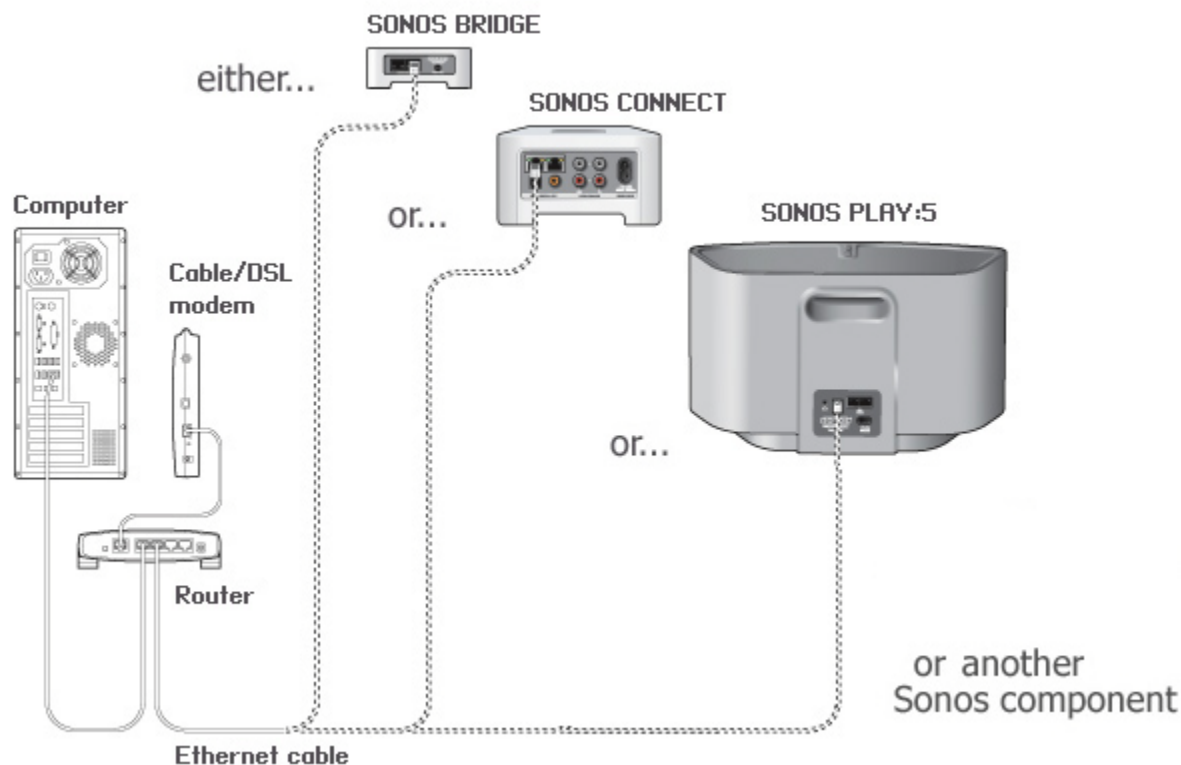
Alternate setup illustration (no open router port)

If you don't have an open port on your router, you can disconnect your computer from the router and connect it to the Sonos component instead. Then you can connect the Sonos component into the router port the computer was previously plugged into (see BRIDGE example below).
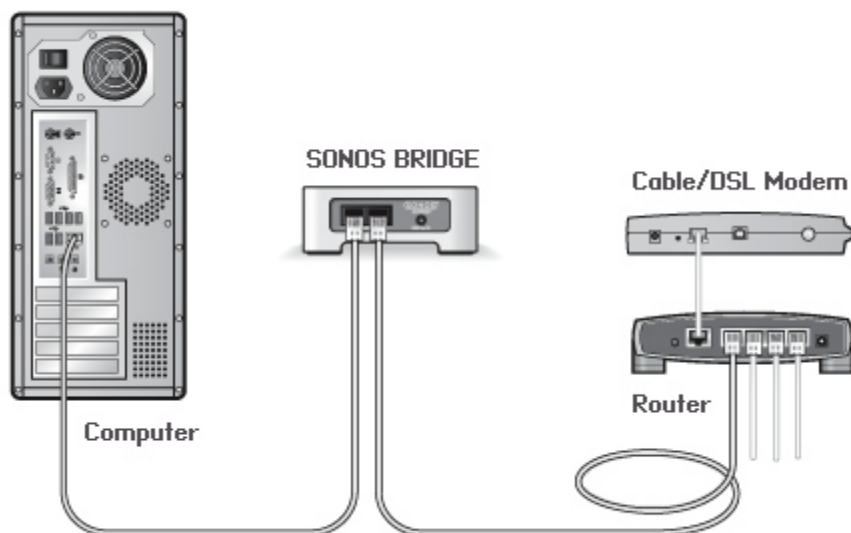
Step 2: Place other Sonos components in the rooms of your choice

After connecting one Sonos component to your router, simply place other Sonos components in the rooms of your choice and apply power.

- If you are adding a SONOS CONNECT:AMP, see "Connect a SONOS CONNECT:AMP..." on page 2-3 before applying power.
- If you are adding a SONOS CONNECT, see "Connect a SONOS CONNECT..." on page 2-4 for additional instructions.

Connect a SONOS CONNECT:AMP...

1. Attach desired speakers.
   - Your speaker's power rating should be at least 75W for 8 Ohm speakers, and at least 150W for 4 Ohm speakers. Do not connect speakers rated at less than 4 Ohms.
   - Use your thumb or finger to firmly push the spring-loaded speaker connector post inward to reveal the connection hole.
   - Insert the stripped end of the speaker wire into the hole, then release. The stripped portion should be caught firmly in the connector post.

Note: Connect the **red** (+) and **black** (-) terminals from each speaker to the corresponding terminals on the SONOS CONNECT:AMP. Mismatching of polarities will result in weak central sound, and a distorted sense of sound direction.

When making connections, ensure that none of the strands of your speaker wire come in contact with an adjoining terminal on the rear panel.

- Repeat to install the other speaker wires.
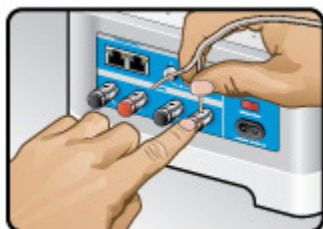
- If your speakers have banana connectors, you can insert the plugs directly into the banana jacks on the back of the CONNECT:AMP instead.

2. Attach the power cord and plug into a wall outlet—make sure the Voltage Switch on the back of the CONNECT:AMP is set to the proper position for your country before applying power.

The **Mute** button indicator and the S**tatus indicator** will begin to flash. (If this Sonos component was previously connected to another Sonos system, the Status indicator may light solid white instead.

Connect a SONOS CONNECT...

To a home theater or amplifier
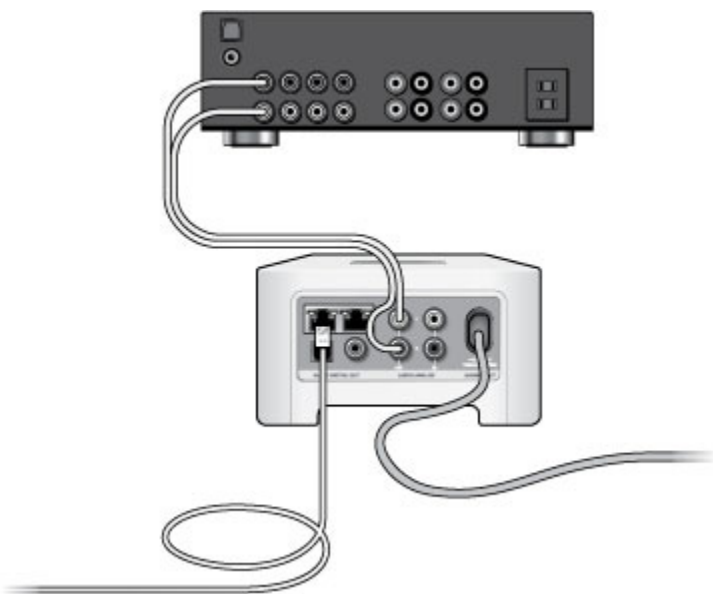
1. Choose one of the following options:
   - If you have *digital inputs* on your home theater or amplifier, you can use either a TOSLINK® optical audio cable or a digital coaxial cable to connect the CONNECT's digital audio output to the digital input on the receiver.
   - If you have *analog inputs* on your home theater or amplifier, use a standard RCA audio cable to connect a CONNECT's analog audio output to the audio inputs on the receiver.
2. Select the proper input channel on the receiver.
3. After you finish setting up your Sonos system, go to "Line-out" on page 2-11 to adjust the volume settings.

To a computer or powered speakers

- You will need a stereo mini to RCA Y-adapter audio cable (one 1/8-inch stereo miniplug to dual RCA male connectors) to connect the Sonos component's analog audio output to the computer's audio input.
- You may need a Y-adapter audio cable (one1/8-inch stereo miniplug to dual RCA male connectors) to connect the speakers to the audio outputs on the Sonos component. If your speakers have a male 1/8-inch stereo plug, you will need to attach a female-to-female coupler between the speaker plug and the Y-adapter audio cable.

For additional information on connecting audio devices, you can visit our Web site at ***http://faq.sonos.com/cables***.

Step 3: Install the software

If your operating system is Windows® XP or later, or Macintosh® OS X, simply insert the Sonos System Setup CD-ROM and follow the on-screen instructions to download and install the software, configure your music system, and set up access to your music files.

During the setup process, you will be prompted to register your Sonos system. Your music system must be registered in order to receive future software updates, technical support and access to free music service trials, so please be sure to register during the setup process. We do not share your email address with other companies.

> **Note:** Firewall software such as Norton Internet Security™, McAfee® Personal Firewall, Windows Firewall, or Mac OS X built-in firewall, can block the operation of your Sonos software. During installation, you may see prompts from your firewall software indicating that the Sonos application is attempting to perform certain operations. You should always allow full access to the Sonos Controller for Mac or PC. You may also need to change the settings of your firewall software to ensure that Windows file sharing is not blocked. For detailed instructions, please go to our Web site at ***http://faq.sonos.com/firewall***.

Usage Data

To help us improve our products and services, Sonos would like to collect usage data about how you use your Sonos system. We will never provide any of this information to third parties. To learn more, you can go to our Website at ***www.sonos.com/legal/usage-data***.

During setup, you will be requested to allow Sonos to collect usage data. You can change your mind anytime by selecting **File** (PC) or **Sonos** (Mac) -> **Preferences**, and unchecking the preference box.

Step 4: Add a Sonos Controller

You can use any Sonos controller to control your Sonos system, including:

- The Sonos Controller for Android — Touch the **Market** button on your smartphone to download the free Sonos application from the Android Market™
- The Sonos Controller for iPhone or the Sonos Controller for iPad — Tap the **App Store** button on your iPhone, iPod touch or iPad to download the free Sonos application, or you can download the application from iTunes®. (If you download from iTunes, you will need to *sync* before you see the Sonos logo display on your device)
- The SONOS CONTROL (purchased separately)
- The Sonos Controller for Mac or PC (install using the CD-ROM packaged with your Sonos component)

Sonos is always working on new ways to help you control the music any way you want. For the latest list of Sonos controllers, please visit our Web site at ***www.sonos.com/products***.

Adding to an Existing Sonos System

Once you've got your Sonos system set up, you can easily add more Sonos components any time (up to 32 rooms.)

> **Note:**   If you are replacing the *wired* component in your Sonos system with a SONOS BRIDGE, first add the new BRIDGE to your music system (steps below). You can then unplug the wired Sonos component from your router, replace it with the BRIDGE, and move the original Sonos component to a new location.

If your house has structured (built-in) network wiring, you can make a wired connection to the additional Sonos components. If you don't have structured network wiring, you can connect wirelessly.

Use wireless connections when:

- You don't want to install network cables
- You may want to move the Sonos component
- There is enough wireless signal strength for the Sonos component to function reliably

> **Note:**   Thick walls, 2.4 GHz cordless telephones, or the presence of other wireless devices can interfere with or block the wireless network signals from your Sonos system. Once you locate your Sonos component, if you are experiencing difficulty, you can try one (or more) of the following resolutions — relocate the Sonos component, change the wireless channel your music system is operating on (see "4. Change the wireless channel your Sonos system is operating on"), or make a wired connection by connecting an Ethernet cable from your router to the Sonos component, or from one Sonos component to another.
>
> If you are still having trouble placing your units within wireless range of each other, you can go to our Web site at ***http://faq.sonos.com/range***.

1. Place the Sonos component in the room you have selected, and apply power.

2. If you are making a *wired* connection, connect a standard Ethernet cable from either your router, another Sonos component, or a 'live' network wall plate to any of the Ethernet switch connections on the back of your new Sonos component. If you are making a *wireless* connection skip this step and proceed to step 3.

3. Choose one of the following options:

    - If you are adding a SONOS CONNECT:AMP attach desired speakers (see "Connect a SONOS CONNECT:AMP..." on page 2-3 for more information), and then apply power.
    - If you are adding a SONOS CONNECT connect an external amplifier (see "Connect a SONOS CONNECT..." on page 2-4 if you need help with this step), and then apply power.
    - If you are adding any other Sonos component, simply attach the power cord and apply power.

4. Select **Add a Sonos Component** from the **Rooms** menu.

During the setup process, you will be asked to press and release the **Mute** and **Volume Up** buttons or the **Join** button, depending on the Sonos component you are adding.

You may release the buttons as soon as they begin to blink (this takes approximately 1 second.)

> **Important Note:**   Do not place any items on top of your Sonos component. This may impede the air flow and cause it to overheat.

Renaming a Sonos Component

If you name a Sonos component incorrectly, or if you move one to another room, you can rename it to suit your preference.

1. From the **Rooms** menu, select **Room Settings**. If you want to change a BRIDGE, select **BRIDGE Settings** instead.
2. Select the room you wish to change, and click **Settings**. Select a new name from the **Room Type** list, or type a custom name in the **Room Name** field, and then click **OK**.

Turning Off Status Indicator

A white light displays on the front of most Sonos components to indicate that the unit is functioning in normal operation. If you have a Sonos component located in a bedroom, you may want to turn this Status Indicator Light off so that when the unit is in normal operation, the white light does not display.

However, if the Status indicator light begins to flash amber, see "Player Status Indicators" on page A-7 for additional information.

1. From the **Rooms** menu, click **Room Settings**. (If you wish to turn off a BRIDGE status indicator light, select **BRIDGE Settings** instead.)
2. Highlight the Sonos component you wish to adjust, and click **Settings**.
3. From the **Status Indicator Light** tab, select **On** or **Off** and click **OK**.

Turning Off Music System

Your Sonos system is designed to be always on; the system uses minimal electricity whenever it is not playing music. To quickly stop streaming music in all rooms, select **Pause All** from the **Play** menu.

Your Sonos components will remain *off* until you press **Play** to restart each room or group.

Equalization (Sound Settings)

You can change the sound settings (treble, bass, loudness, or balance) for each individual Sonos component.

> **Note:**   The *loudness* setting is designed to compensate for normal changes in the ear's sensitivity at low volumes— you can turn this setting on to boost certain frequencies, including bass, at low volume.

Highlight a room in the **Rooms** pane, and then click to change the sound settings (treble, bass, loudness, balance or volume) for an individual Sonos component. (You can also select **Equalizer** from the **Play** menu.)

- To change the volume for a *group*, use the group volume control on the left.
- If you have two or more rooms in a group, use the Equalizer window to adjust the volume for each room individually.
- When headphones are plugged in, a headphone indicator is visible on the **Room Equalizer** dialog box. If you adjust group volume, the volume in the room with headphones attached will be unaffected.
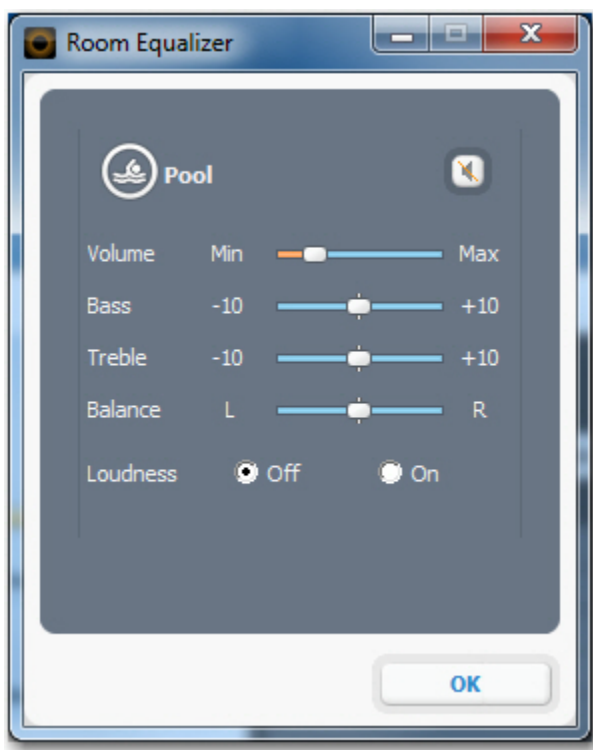
Using Headphones

The PLAY:5 has a headphone jack you can utilize for private listening. The headphone jack is auto detecting - plug in a pair of headphones and the PLAY:5's built-in speakers automatically mute. When you unplug the headphones, the speakers automatically come back on.

When headphones are plugged in, a headphone indicator is visible on the Volume screen. If you adjust group volume, the volume in the room with headphones attached will be unaffected.

1. Plug a pair of headphones into the headphone jack. (Sonos will automatically drop the volume level down to 25%.)

2. Put on your headphones and increase the volume to a comfortable listening volume.

Important Note: Long term exposure to music played at high volume through headphones can cause permanent hearing damage.

3. Remove the headphone jack from the back of the PLAY:5 when you are ready to resume listening through the built-in speakers.

Note: If you don't hear sound coming from your PLAY:5, check to make sure there are no headphones plugged into the back of the unit.

Creating a Stereo Pair

The Stereo Pair setting allows you to group two PLAY:3s or two PLAY:5s in the same room to create a wider stereo experience. In this configuration, one unit serves as the left channel and the other serves as the right channel. You cannot combine a PLAY:3 and PLAY:5 unit—the Sonos components in the stereo pair must be the same.

Optimum Placement Information

- When creating a stereo pair, it is best to place the two Sonos components 8 to 10 feet away from each other, angled inward to form a triangle with your favorite listening position.
- Your favorite listening position should be 8 to 12 feet from the PLAY:3 or PLAY:5 units. Less distance will increase bass, more distance will improve stereo imaging.
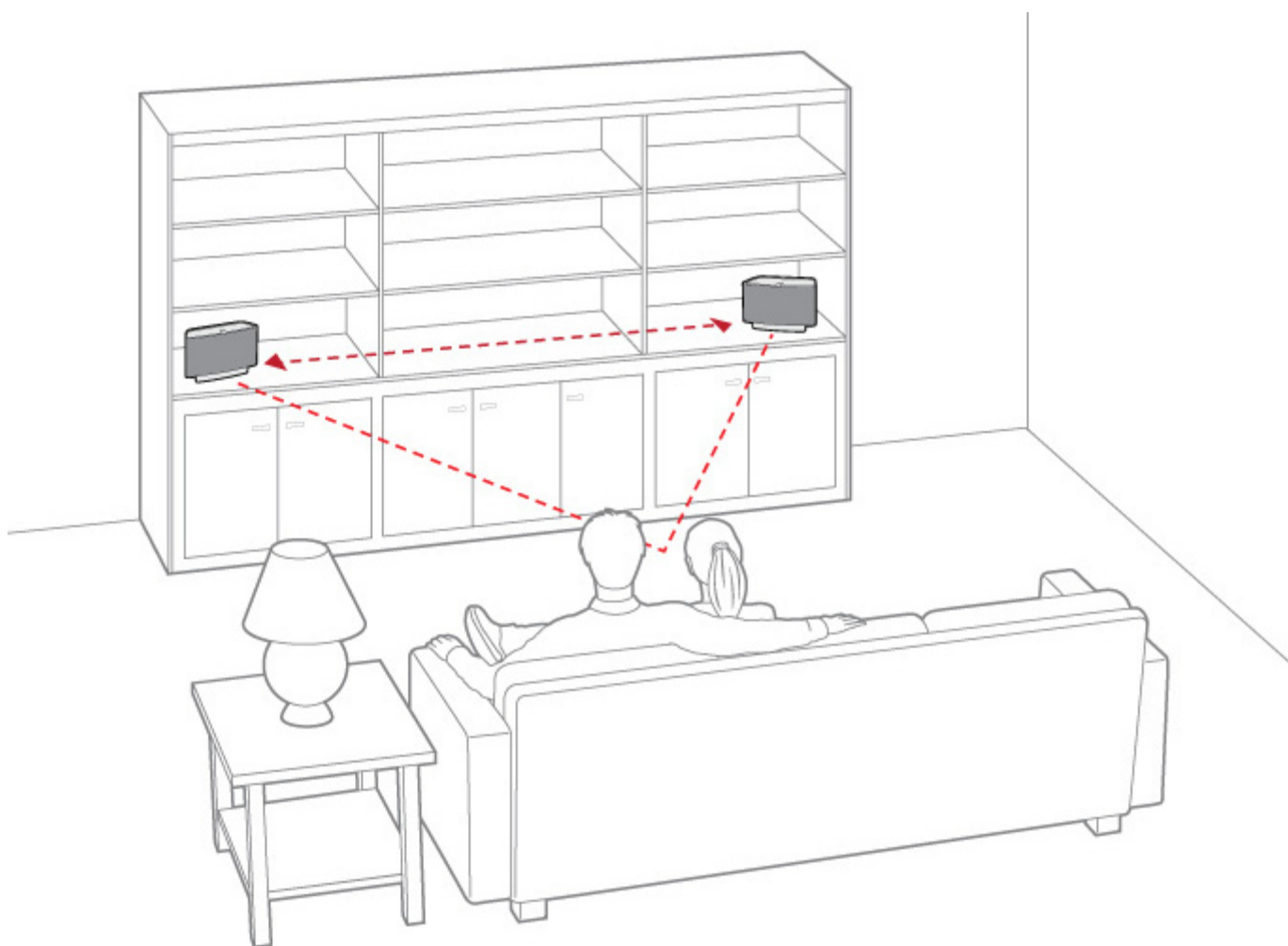
Note: The Stereo Pair setting is for use with PLAY:3 and PLAY:5 units only. Both Sonos components in the stereo pair must be the same

1. Select **Rooms** -> **Room Settings**.

2. Select one of the Sonos components (PLAY:3 or PLAY:5 only) you wish to pair, and click **Settings**.

3. Click the **Stereo Pair** tab, and select **Create Stereo Pair**.

4. Click **Next**, select the other unit you want to pair, and then click **Next**.

5. Press the **Mute** button on the Sonos component that will become the *left* channel.

To separate a stereo pair:

1. Select **Rooms** -> **Room Settings**.

2. Select the Sonos stereo pair you wish to separate (the stereo pair will appear with **L + R** in the room name), and then click **Settings**.

3. Click the **Stereo Pair** tab, and select **Separate Pair**.

4. Click **OK**, and then click **Finish**.

Line-out

You can easily connect your home theater, stereo, or powered speakers to some Sonos components. Depending on your Sonos component, you can use analog or digital audio outputs to connect to an external amplifier. The CONNECT has both digital and analog outputs, the ZonePlayer 100 has analog outputs, while the CONNECT:AMP is not designed with audio outputs.

For additional information on connecting audio devices, go to our Web site at ***http://faq.sonos.com/cables***.

Connecting to a home theater

1. Choose one of the following options:
   - If you have digital inputs on your home theater receiver and your Sonos component supports digital audio output, you can use either a TOSLINK® optical audio cable or a digital coaxial cable to connect from the CONNECT's Digital Audio Out to the digital input on your home theater receiver.
   - If you have analog inputs on your receiver, use a standard RCA audio cable to connect from the Sonos component's Analog Audio Out to the audio inputs on your home theater receiver.

2. Select the proper input channel on your home theater system.

3. If you are setting up a new Sonos component that has audio outputs, plug it in and then select **Add a Sonos Component** from the **Rooms** menu.

Controlling the volume from home theater

1. Select **Room Settings** from the **Rooms** menu.

2. Select the Sonos component attached to your home theater, select **Settings** -> **Line-Out**, and then choose **Fixed**.

> **Note:** When the line-out level on your Sonos component is **Fixed**, you cannot adjust the volume or the equalization settings using your Sonos Controller.

Controlling the volume from Sonos

1. Adjust your home theater or other audio device's volume to typical listening volume.

2. Select **Room Settings** from the **Rooms** menu.

3. Select the Sonos component attached to your home theater, select **Settings -> Line-Out**, and then select **Variable**.

4. Adjust the volume on your Sonos system so you can hear music. This may be at the high end of the volume scale.

5. If desired, you can readjust the volume on your home theater system so that the volume range for the controller falls within your typical listening range.

Connecting to a computer or powered speakers

- **If you are connecting to your computer**: Amplified PC speakers usually have a 1/8" (3.5mm) stereo plug, so they can plug directly into a sound card on your computer. You will need a stereo mini-to-RCA Y adapter audio cable (one 1/8-inch stereo mini-plug to dual RCA male connectors) to connect the Sonos component's analog audio output to the computer's audio input.

- **If you are connecting to powered speakers**: You may need a Y adapter audio cable (one 1/8-inch stereo mini-plug to dual RCA male connectors) to connect the computer's speakers to the audio outputs on the Sonos component. If your speakers have a male 1/8-inch stereo plug, you can attach a female-to-female coupler between the speaker plug and the Y adapter audio cable, or you can use a Y-adapter audio cable (one 1/8-inch Female connector to dual RCA male connectors).

See *http://faq.sonos.com/speakers* for more information on connecting to your computer's speakers.

Line-in

You can connect an external audio source like an Apple® AirPlay® device, CD player, TV, MP3 player or more to a Sonos component via line-in and stream the audio to any or all Sonos components around your house. So, go ahead:

- Connect an Apple AirPlay device such as AirPort Express® via line-in and play music wirelessly from your iPhone®, iPad™ or iPod touch® in any or every room of the home.

- Connect an external audio source like a CD player via line-in and listen to the CDs you haven't had time to rip yet.

- Connect your TV to a Sonos component and listen to the big game on the patio while cooking on the grill.

Note: You can listen to music from the external device in any room, and use the Sonos Wireless HiFi System to control the volume settings. However you must control the playback (forward, pause, etc.) from the line-in source.

Connecting an AirPort Express to your Sonos system

1. Connect the AirPort Express to your PLAY:5 (or other Sonos component with an Audio In connection):
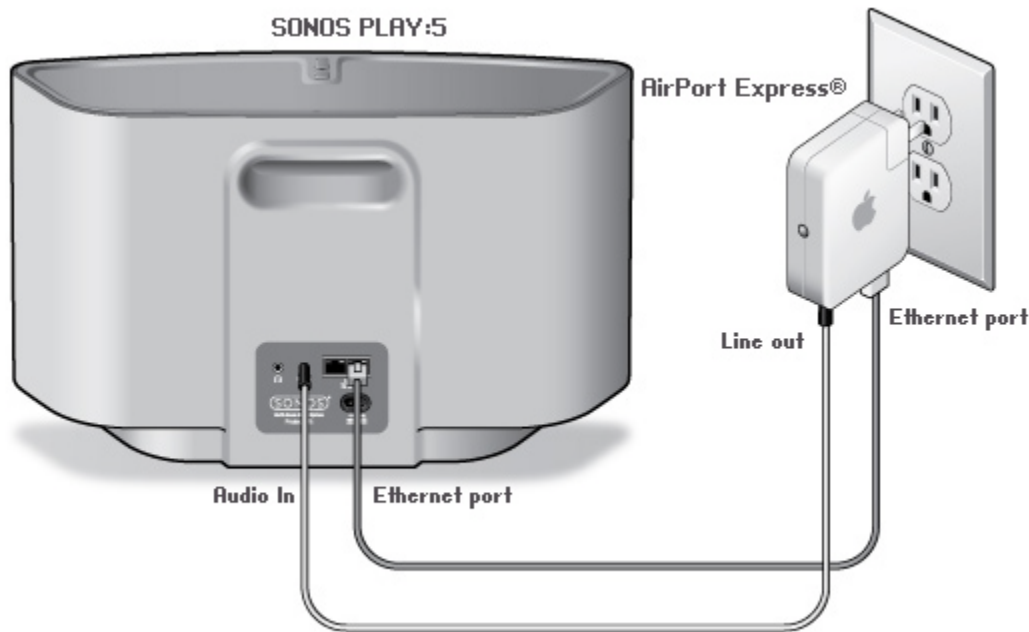
- Connect the 3.5mm audio cable (supplied with the PLAY:5) to the *Analog Audio In* connector from the back of your PLAY:5 to the *Line-out* connector on the AirPort Express. (If you are connecting to a different Sonos component, you can use a standard RCA audio cable.)
- Connect an Ethernet cable from the Ethernet port on the AirPort Express to an Ethernet port on your SONOS PLAY:5.
- Plug the AirPort Express into a power outlet.

2. Install **AirPort Utility** from the CD included with your Airport Express. (If you need help with this step, you can go to ***http://www.apple.com/airportexpress/features/utility.html***.)

3. Open **AirPort Utility** and follow the on-screen instructions to configure your AirPort Express.

   During the setup process, be sure to update the following settings:
   - Type *Sonos* as the AirPort Express Name.
   - Select **I want AirPort Express to join my current network**.
   - Select **I want to disable the wireless network on this AirPort Express and connect it to my computer or network using Ethernet**.

4. After your AirPort Express is configured, select **Room Settings** from the **Rooms** menu.

5. Select the Sonos component your Airport Express is connected to, and click **Settings** -> **Line-In**.

6. Update the following settings:
   - **Source Icon** (PC) or **Source Type** (Mac): Select **AirPlay Device**.
   - **Source Name**: Type a custom name if desired.

- **Line-In Level**: A default (typical) line-in source level is automatically assigned based upon the source name. (If the volume sounds too low, you can select a higher line level. You may experience clipping at higher volume levels if you set the level too high.)
- **Automatically play music (Autoplay) to**: Select the room you want your AirPlay device to play in whenever it's connected to Sonos. You can also check **Include Grouped Rooms** so that any rooms grouped with the *autoplay room* will play the same music.
- **Use Autoplay Volume**. Select this checkbox if you intend to use your AirPlay device to adjust the volume in the autoplay room. Use the slider to set a default volume for the autoplay room whenever the AirPlay device is connected.

Now you're ready to use AirPlay — simply tap the AirPlay icon on your iPhone, iPad, iPod touch, or in iTunes and select *Sonos*. For more information about setting up an AirPlay device with Sonos, you can go to ***http://faq.sonos.com/airplay***.

Connecting a portable player to your Sonos System

1. Using a 1/8 inch mini-stereo to RCA audio cable, plug the mini-stereo end into the portable device and the RCA end into the *Audio In* connection on the Sonos component. The device will automatically be detected.

2. Select **Room Settings** from the **Rooms** menu. Select the Sonos component this device is connected to, and click **Settings** -> **Line-In**.

3. Update the following settings:

    - **Source Icon** (PC) or **Source Type** (Mac): Select a component type from the list.
    - **Source Name**: Type a custom source name if desired.
    - **Line-In Level**: A default (typical) line-in source level is automatically assigned based upon the source type. (If the volume sounds too low, you can select a higher line level. You may experience clipping at higher volume levels if you set the level too high.)
        - Level 1 (source device output voltage: 2.2v) applies the *minimum* overall gain.
        - Level 2 (source device output voltage: 2.0v) is the typical gain applied to A/V equipment.
        - Level 6 (source device output voltage: 1.2v) is the typical gain applied to Macs.
        - Level 8 (source device output voltage: 1.0v) is the typical gain applied to portable players and PCs.
        - Level 10 (source device output voltage: 0.6v) applies the *maximum* overall gain.
    - **Automatically play music**: Select the room you want your line-in source to play in whenever it's connected to Sonos. You can also select **Include Grouped Rooms** so that any rooms grouped with the *autoplay room* will play the same music.
    - **Use Autoplay Volume**: Select this checkbox if you intend to use your MP3 player to adjust the volume in the autoplay room. Use the **Autoplay Volume** slider to set the default volume for the autoplay room when the MP3 player is connected. To play music from this line-in source, select **Line-in** from the **Music** menu, select the room the device is connected to, and click **Play Now**.

Connecting another line-in source to your Sonos System

1. Connect the audio line-in cable provided with your Sonos component (or a standard RCA cable) from the *audio out* connection(s) on the external source to the analog *Audio In* connection(s) on the back of your Sonos component. The source device will automatically be detected.

PLAY:5 analog
audio in

CONNECT
analog audio in

CONNECT:AMP analog audio in

2. Select **Room Settings** from the **Rooms** menu. Select the Sonos component this device is connected to, and click **Settings** -> **Line-In**.

3. Update the following settings:

    - **Source Icon** (PC) or **Source Type** (Mac): Select a component name from the list.
    - **Source Name: Type a custom name if desired.**
    - **Line-In Level**: A default (typical) line-in source level is automatically assigned based upon the source name. (If the volume sounds too low, you can select a higher line level. You may experience clipping at higher volume levels if you set the level too high.)
        - Level 1 (source device output voltage: 2.2v) applies the *minimum* overall gain.
        - Level 2 (source device output voltage: 2.0v) is the typical gain applied to A/V equipment.
        - Level 6 (source device output voltage: 1.2v) is the typical gain applied to Macs.
        - Level 8 (source device output voltage: 1.0v) is the typical gain applied to portable players and PCs.
        - Level 10 (source device output voltage: 0.6v) applies the *maximum* overall gain.
    - **Automatically play music (Autoplay) to**: Select the room you want your line-in source to play in whenever it's connected to Sonos. You can also select **Include Grouped Rooms** so that any rooms grouped with the *autoplay room* will play the same music.
    - **Use Autoplay Volume**: Select this checkbox if you intend to use your line-in device to adjust the volume in the autoplay room. Use the **Autoplay Volume** slider to set the default volume for the autoplay room when the line-in source is connected.

4. To play music from this line-in source, select **Line-in** from the **Music** menu, select the Sonos component the device is connected to, and select **Play Now**.

Changing the audio compression setting

Your Sonos system defaults to *automatic* in order to provide the optimal playback experience. Sonos recommends you do not change this default. However, if you decide to make a change, we recommend the following usage guidelines:

Use Uncompressed if:

- You want optimal performance with home theaters.
- You want to produce the highest quality sound for your multi-room Sonos system (this selection requires more network bandwidth than compressed audio.)

Use Compressed if:

- You are connecting more than 4 rooms wirelessly.
- You are in an environment with heavy wireless interference and are experiencing dropouts.

1. From the **File** (PC) menu or **Sonos** (Mac) menu, select **Preferences**.
2. Click the **Advanced** tab.
3. Select **Compressed** or **Uncompressed** from the **Audio Compression** list.

SONOS CONNECT / CONNECT:AMP Front
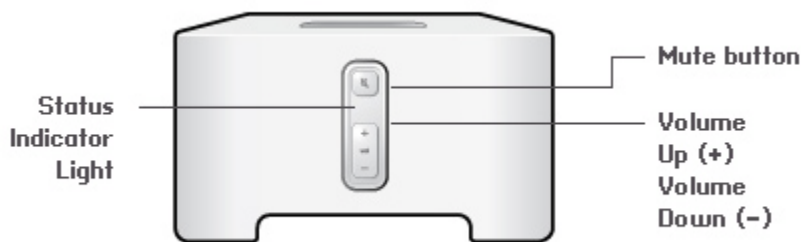
On/Off

- Using a handheld Sonos controller, select **Pause All** from the **Rooms** menu.
- Using the Sonos Controller for Mac or PC, select **Pause All** from the **Play** menu.

Your Sonos system is designed to be always on; the system uses minimal electricity when not playing music. To quickly stop streaming music in all rooms, use the **Pause All** feature.

Status indicator

- Flashes white when powering up or connecting to your Sonos system.
- Solid white when powered up and connected to your Sonos system (normal operation).

Indicates the current status of the Sonos component. When the unit is in normal operation, you can turn the white status indicator light on and off.

Go to "Player Status Indicators" on page A-7 for additional status indicators.

Mute button

- Lights solid green when sound is muted.
- Flashes green rapidly when household mute or unmute is about to take place.
- Flashes green slowly when component is connecting to your music system.

To mute/unmute this Sonos component: Press the **Mute** button to mute or unmute this Sonos component.
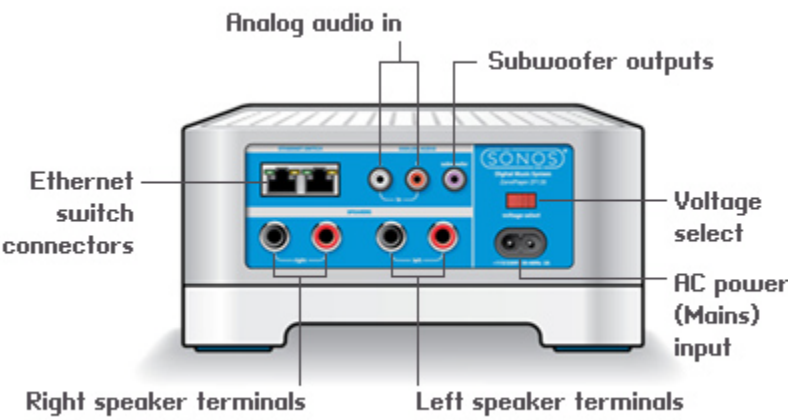
To mute/unmute all Sonos components: Press and hold the **Mute** button for 3 seconds to mute all Sonos components in your household. Press and hold for 3 seconds to unmute all.

Volume Up (+)
Volume Down (-)

Adjusts the volume up and down.

SONOS CONNECT:AMP Back

Ethernet switch connectors (2)	Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device. LED indicators: • Green (link connection) • Flashing Yellow (network activity)
Right speaker terminals	Use high-quality speaker wire to connect the right speaker to the CONNECT:AMP.
Left speaker terminals	Use high-quality speaker wire to connect the left speaker to the CONNECT:AMP.
Voltage select	AC 115/230 V Select the voltage setting that is appropriate for your country.
AC power (mains) input	Use the supplied power cord to connect to power outlet.
Analog audio in	Use a standard RCA audio cable to connect the audio outputs from a separate audio component such as a CD player, to the Sonos component's analog audio inputs.
Subwoofer output Note: If you disconnect your subwoofer, make sure to also disconnect the subwoofer's cable from the CONNECT:AMP output.	Connect a powered subwoofer to this output using a standard RCA cable. The system will detect when a cable is connected to the subwoofer output and adjust the crossover frequency automatically.

SONOS CONNECT Back

| Ethernet switch connectors (2)	Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device.
AC power (mains) input (~100-240 V, 50-60 Hz)	Use the supplied power cord to connect to power outlet.
Analog audio in	Use a standard RCA audio cable to connect the audio outputs from a separate audio component such as a CD player, to the CONNECT's analog audio inputs.
Analog audio out (fixed/variable)	Use a standard RCA audio cable to connect the CONNECT's analog audio outputs to the audio inputs on a separate audio component, such as an amplifier or your home theater receiver.
TOSLINK® digital audio out	You can use a TOSLINK optical audio cable to connect the SONOS CONNECT's TOSLINK digital audio output to the audio inputs on a separate audio component, such as an amplifier or your home theater receiver.
Coaxial digital audio out	You can use a digital coaxial cable to connect the CONNECT's coaxial digital audio output to the audio inputs on a separate audio component, such as an amplifier or your home theater receiver.

SONOS PLAY:5 Front
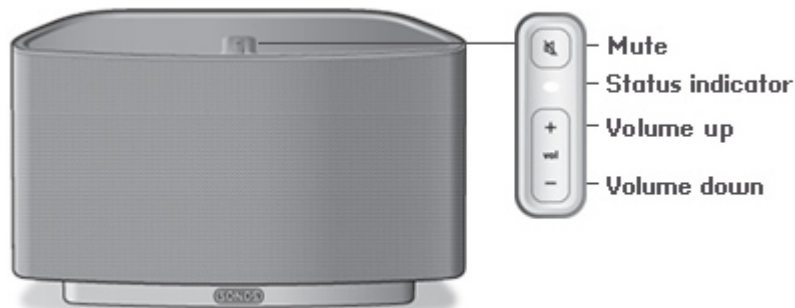
Note: The PLAY:5's front grille is not removable. Tampering with the grille may result in damage to your PLAY:5.

On/Off
- Using a handheld Sonos Controller, select **Pause All** from the **Rooms** menu.
- Using the Sonos Controller for Mac or PC, select **Pause All** from the **Play** menu.

Your Sonos system is designed to be always on; the system uses minimal electricity whenever it is not playing music. To quickly stop streaming music in all rooms, you can use the **Pause All** feature to stop all rooms.

Status indicator
- Flashes white when powering up or connecting to your Sonos system.
- Solid white when powered up and connected to your Sonos system (normal operation).

Indicates the current status of the Sonos component. When the unit is in normal operation, you can turn the white status indicator light on and off.
For a complete list of status indications, please go to *http://faq.sonos.com/led*.

Mute button
- Lights solid green when sound is muted.
- Flashes green rapidly when household mute or unmute is about to take place.
- Flashes green slowly when Sonos component is connecting to your music system.

To mute/unmute this Sonos component: Press the **Mute** button to mute or unmute this Sonos component.
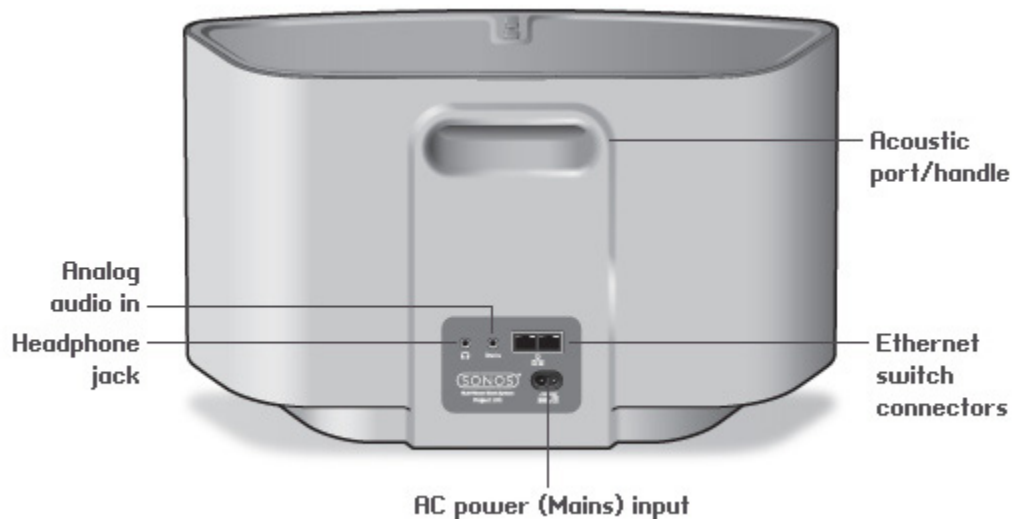To mute/unmute all Sonos components: Press and hold the **Mute** button for 3 seconds to mute all Sonos components in your household. Press and hold for 3 seconds to unmute all.

Volume up (+)
Volume down (-)

Press these buttons to adjust the volume up and down.

SONOS PLAY:5 Back

Acoustic port / handle	The acoustic port doubles as a handle so you can easily lift and carry the PLAY:5 from room to room. Please do not block or obstruct this port when the PLAY:5 is playing music.
Ethernet switch connectors (2)	Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device. LED indicators: • **Flashing Yellow** (network activity) • **Green** (link connection)
AC power (mains) input **(~100-240 V, 50-60 Hz)**	Use the supplied power cord to connect to power outlet.
3,5mm (1/8") stereo audio in **(2V)**	Use the supplied 3,5mm to 3,5mm stereo audio cable to connect the audio outputs from a portable music player to the Sonos component's analog audio input. To connect a different audio component, such as a CD player, use a 3,5mm (1/8") mini-stereo to RCA audio cable. Plug the mini-stereo end into the audio input on the S5 and plug the RCA end into the audio outputs on the audio component.
3,5mm (1/8") headphone jack	Headphone jack accepts any standard 3,5mm (1/8") headphone plug.

SONOS PLAY:3 Front

> **Note:** The SONOS PLAY:3's front grille is not removable. Tampering with the grille may result in damage to your PLAY:3.

On/Off
- Using a handheld Sonos controller, select **Pause All** from the **Rooms** menu.
- Using the Sonos Controller for Mac or PC, select **Pause All** from the **Play** menu.

Your Sonos system is designed to be always on; the system uses minimal electricity whenever it is not playing music. To quickly stop streaming music in all rooms, you can use the **Pause All** feature.

Status indicator
- Flashes white when powering up or connecting to your Sonos music system.
- Solid white when powered up and connected to your Sonos music system (normal operation).

Indicates the current status of the PLAY:3. When the PLAY:3 is in normal operation, you can turn the white status indicator light on and off.

For a complete list of status indications, please go to *http://faq.sonos.com/led*.

Mute button
- Lights solid green when sound is muted.
- Flashes green rapidly when household mute or unmute is about to take place.
- Flashes green slowly when a Sonos component is connecting to your music system.

To mute/unmute: Press the **Mute** button to mute or unmute the Sonos component. To mute/unmute all: Press and hold the **Mute** button for 3 seconds to mute all Sonos components in your household. Press and hold for 3 seconds to unmute them all.

Volume up (+)
Volume down (-)

Press these buttons to adjust the volume up and down.

SONOS PLAY:3 Back

Ethernet switch connector

Threaded mounting holes

AC power (mains) input
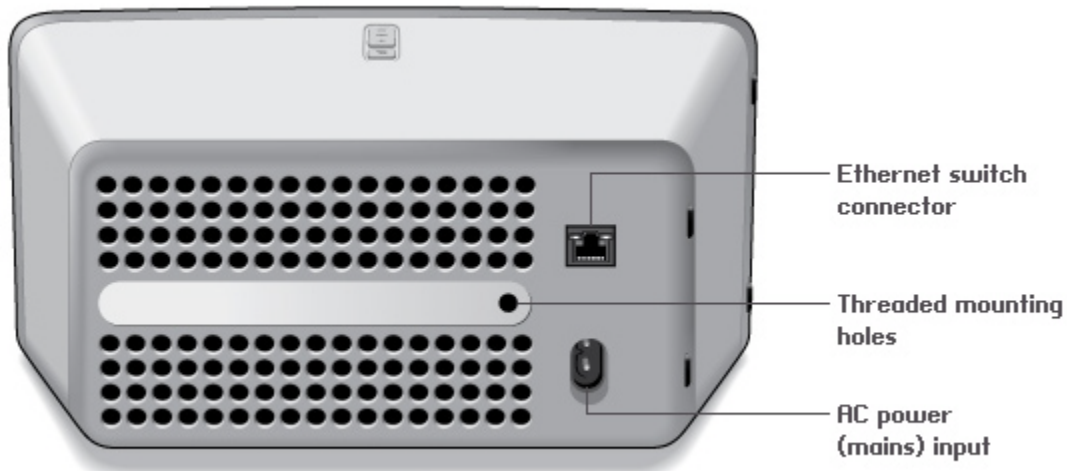
Threaded mounting hole 1/4 inch (6.75mm) / 20-thread	The SONOS PLAY:3 has an integrated mounting hole on the back of the unit so it can be wall-mounted if desired (mounting bracket not included.)
Ethernet switch connector	Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device. **LED indicators:** • Flashing Yellow (network activity) • Green (link connection)
AC power (mains) input (~100-240 V, 50-60 Hz)	Use the supplied power cord to connect to power outlet.

SONOS BRIDGE Front

Join button	Press the **Join** button to join the BRIDGE to your Sonos system.
Status indicator	• LED Flashes white when powering up; flashes green and white when connecting to your Sonos system. • LED Solid white when powered up and connected to your Sonos system (normal operation). • LED Flashes amber when a fault condition is detected.

SONOS BRIDGE Back

Ethernet switch connectors (2)	Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device.
AC power (mains) input	Use the supplied power adapter to connect to power outlet. Be sure to use the proper power adapter for your country.

SONOS DOCK Front

Volume Up (+)
Volume Down (−)

Volume Up (+) **Volume Down (-)**	Press the buttons on the side of the dock to adjust the volume up and down.

SONOS DOCK Back

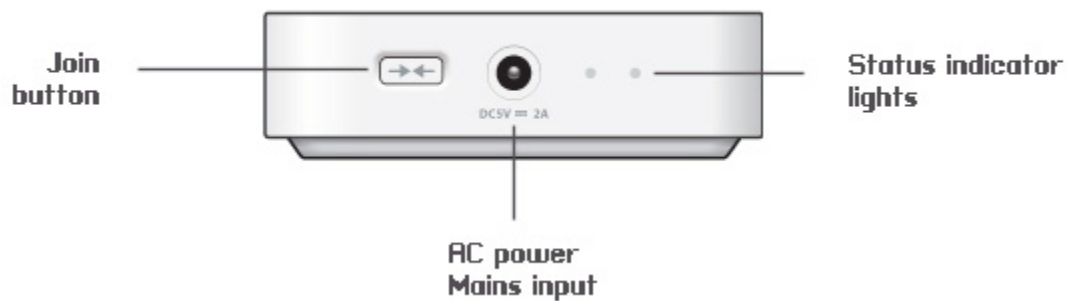|	
Join button	Press the **Join** button to join the DOCK to your Sonos system.
DOCK status indicator	- LED Flashes white when powering up; flashes green and white when connecting to your Sonos system. - LED Solid white when powered up and connected to your Sonos system (normal operation). - LED Flashes amber when a fault condition is detected.
AC power (mains) input	Use the supplied power adapter to connect to power outlet. Be sure to use the proper power adapter for your country.

ZonePlayer 100 Back
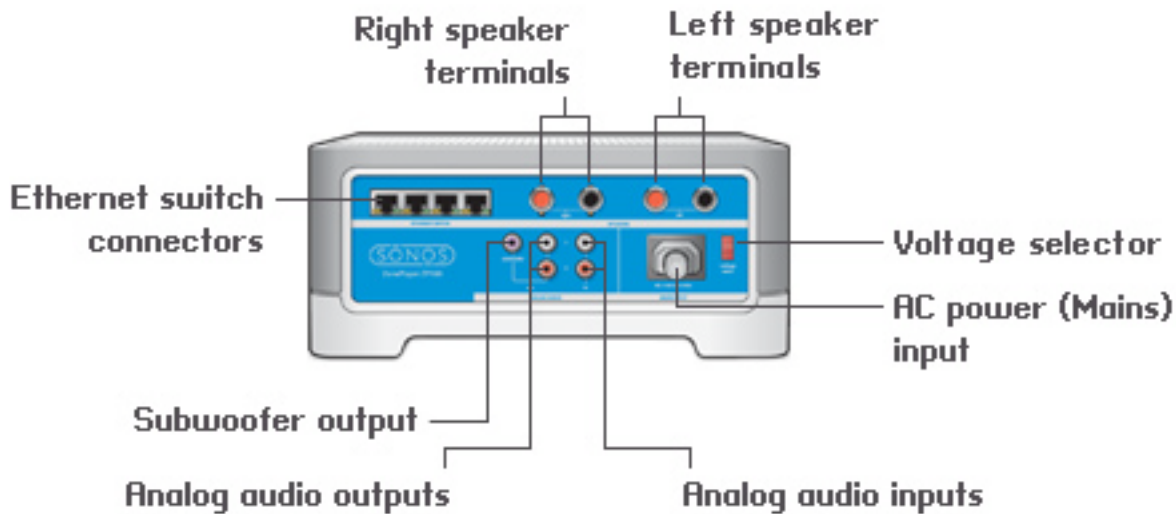
Ethernet switch connectors (4)	Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device. LED indicators: • Green (link connection) • Flashing Yellow (network activity)
Right speaker terminals	Use high-quality speaker wire to connect the right speaker to the ZonePlayer 100.
Left speaker terminals	Use high-quality speaker wire to connect the left speaker to the ZonePlayer 100.
Voltage select	AC 115/230 V Select the voltage setting that is appropriate for your country.
AC power (mains) input	Use the supplied power cord to connect to power outlet.
Analog audio out (fixed/variable)	Use a standard RCA audio cable to connect the Sonos component's analog audio outputs to the audio inputs on a separate audio component, such as an amplifier or your home theater receiver.
Analog audio in	Use a standard RCA audio cable to connect the audio outputs from a separate audio component such as a CD player, to the Sonos component's analog audio inputs.
Subwoofer output Note: If you disconnect your subwoofer, make sure to also disconnect the subwoofer's cable from the ZonePlayer output.	Connect a powered subwoofer to this output using a standard RCA cable. The system will detect when a cable is connected to the subwoofer output and adjust the crossover frequency automatically.

Managing Rooms

Sonos lets you enjoy music in up to 32 rooms, inside or out. You can group rooms together to play the same song in every room, or you can listen to different songs in every room. This means you can group the kitchen and the patio together while you're barbecuing, link all the rooms in the house together for a party, or leave all the rooms ungrouped and let the kids can enjoy rap in their rooms while you listen to jazz in your office.

Use the **Rooms** pane to:

- Select a room to play some music in
- See the music that's currently playing in every room
- Group rooms together to play the same music in synchrony
- Drop a room from a group

Music continues to play while you browse. The currently selected room displays at the top of your screen, and the music you choose will play in that room.

Grouping Rooms

Any number of rooms can be grouped together to play the same music in synchrony.

- You can group or ungroup rooms while the music is playing.
- You can group all the Sonos components in your house by clicking **Select All** for party mode.
- You can group rooms first and then select the music you want to play, or you can add room(s) to a room where music is already playing. Any rooms you link will automatically drop their current music queue and begin to play the music from the selected room.
- If you want to be able to play a music queue later, save that queue as a Sonos playlist before you link the rooms. See "Sonos Playlists" on page 4-17 for more information.

1. From the **Rooms** pane, highlight the room you want to link to another room or group.
2. Click **Link Room**.
3. Select the rooms you would like to add to this group, and the click **OK** (PC) or **Link** (Mac).

   If you want to join all the rooms in your house to this music queue, click **All Rooms** from the **Link Room** screen. All of your Sonos components will then play the same music in synchrony until you drop rooms from the group.

Chapter 3

Ungrouping Rooms

1.   From the **Rooms** pane, highlight the group you want to change.

2.   Click **Drop Room**.

3.   Select the room you want to drop from the group. If you want to drop all the rooms in the group, select **All Rooms in Group**.

     The room that's removed from the group stops playing music - the other rooms in the group continue unaffected.

Managing and Playing Music

Available Music Sources

- Library (shared folders on your home network)
- Music services
- Sonos playlists (music queues you have saved for future playback)
- Radio (Internet radio stations, radio shows, or podcasts)
- Docked iPods
- Line-in (external devices such as a CD player or a portable music player)

What is your music library?

- Your music library includes digital music located anywhere on your home network such as:
- shared folders on your computer
- shared folders on another computer in your network
- network-attached storage (NAS) devices
- You can browse your Music Library in various ways. You can enter search criteria to quickly find a particular music selection, or you can browse through a category hierarchy to make music selections.

Note: If a computer on your network is turned off or is in *standby* mode, the music folders on that computer will be unavailable to the Sonos system until the computer is turned back on.

Your selection choices include:
- Artists
- Albums
- Composers
- Genres
- Tracks
- Imported Playlists
- Search
- Folders

Chapter 4

What is a music queue?

When you make music selections, they are added to a list of tracks called a *music queue*. You can create a different music queue for each room in your house, or you can create a group and play the same music across multiple rooms. A play indicator appears to the left of the track currently playing in the music queue. When the current track ends, the next track in the queue starts to play, and play continues down through the list until the queue is completed. When you add selections to a queue, you can choose to play them now, play them next, add them to the end of the queue, or play them now and clear the queue of previous music selections.

What is a music service?

A music service is an online music store or online service that sells audio on a per-song, per audiobook, or subscription basis.

To learn more about the music services available for Sonos customers, click the **Get Music** button in the Music Library (your browser will open to a Sonos Web page

What is a Sonos playlist?

A Sonos playlist is a music queue you create and then save for future listening. For example, you might want to create a *jazz* playlist, a *party* playlist, or an *easy listening* playlist.

What is radio?

Internet radio stations and radio shows are broadcasts provided by 3rd parties via the Internet. You can choose from thousands of radio stations and radio shows from around the globe, including archived shows and podcasts. You can also add your own favorite stations if they use streaming MP3 or WMA formats (not every radio station provides streams.)

What is Line-in?

You can connect an external line-in source such as a CD player, portable music player, or television to your Sonos system, and this audio can be streamed to any Sonos component(s) in your house.

Managing Music Folders

The Sonos Wireless HiFi System can play music from any computer or network-attached storage (NAS) device on your home network where you have shared music folders (music shares). During the setup process, you are guided through the process of accessing these shared music folders. Over time, you may wish to add or remove music folders from this list.

Sonos is designed to work with large music collections. Music folders are indexed so you can view you music by categories— you can index approximately 65,000 tracks to the Sonos library. If the metadata in your files contains lengthy artist, track, or album names, your music index may fill up more quickly. For additional information, you can go to ***http://faq.sonos.com/ musicindex***.

- You can add or remove the shared folders Sonos accesses music from at any time. You may need to make changes if you add a computer to your home network, or if you move shared folders from one location to another.
- If you add new music to a folder that is already indexed, simply update your music index to add this music to your library.

- To play music from imported playlists, drop the playlist file .PLS, .M3U or .WPL into the same music folder that you have shared to the Sonos system, update your music index, and the custom playlists will appear when you select Imported Playlists from the Music menu.

Adding a shared folder on a PC

1. From the **Music** menu, select **Set Up Music Library**.

   The shared music folders that are currently available to your Sonos system appear.

2. Click **Add a Share**.

   - To add music that is stor*ed on this computer*, select **Add music stored on this computer**, and click **Next**.

      a. Click to highlight a music folder, and then click **Next**.

      b. Click **Next** to confirm.

      c. Click **Finish**.

   - To add *music stored on a remote computer* or a NAS device, select **Add music stored in folders that are currently shared on my network**, and then click **Next**.

      a. Type the network path for the music folder (*Name**Sharename*, where *Name* is the network name for your computer or NAS device, and *Sharename* is the name of the top level shared folder, or click **Browse** to search for it.

      b. If it is not shared anonymously, enter the user name and password of a user with permission to access this folder, and click **Next** (PC).

      c. Click **OK** to confirm.

Adding a shared folder on a Mac

1. From the **Music** menu, select **Set Up Music Library**.

   The shared music folders that are currently available to your Sonos system appear.

2. Select **Add**.

   - To add music stored *in your Music folder*, select **In my Music folder**, and select **Continue**. Click the **Lock** icon to enter your administrator password. If your computer does not currently allow Windows Sharing, you will be prompted to enable it. If you have used iTunes Preferences to change where you store iTunes music, this option will appear as **In my iTunes Music folder** instead.

   - To add music stored *elsewhere on your computer*, select **In another location on my computer or an external drive connected to my computer**, and select **Continue**. Select **Browse** to choose a folder, and then select **Continue**.

   - To add music stored *on a different computer or a NAS device*, select **On a networked device such as a network-attached storage (NAS) device on my network**, and select **Continue**. Type the path name (\\Name\Sha*rename*, where *Name* is the network name for your computer or NAS device, and *Sharename* is the name of the top level shared folder.) If this folder is not shared anonymously, type the user name and password of a user with rights to access this music folder.

Removing a shared folder

From the **Music Library Setup** screen, highlight to select the network share you want to remove from the list, and click **Remove**.

Updating your music index

If you add new music to a music folder that is already indexed, you can update your music index in order to add this music to your library.

1.   From the **Music** menu, select **Update Music Index Now**.

2.   Click **Yes** (PC) or **Update** (Mac) to confirm.

     The message, "Updating Music Index" appears at the bottom of the screen. When the update is complete, the message disappears.

Resetting music library permissions on a PC

Some music services may automatically change the permissions on your music folders when you add new music, so that Sonos can no longer access your music. If your music service does this, you can change the preference setting below to allow Sonos to reset permissions when your music index is updated. You should not set this preference unless you need to, as it takes longer to update your music index when this box is checked.

1.   From the **File** menu, select **Preferences**.

2.   Click the **Advanced** tab.

3.   Check the **Fix Permissions when updating the music index on this computer** box, and click **OK**.

Windows Sharing on a Mac

Depending upon where your music is stored, you may be asked to provide an administrator name and password to allow access to your music folders.

If your Macintosh computer does not have *Windows Sharing* enabled, the Sonos Controller for Mac or PC will guide you through the process of enabling it. Your music files are never copied from their current locations - your folders are simply shared so they can be accessed by your Sonos system.

Scheduling music index updates

You can set your music system to automatically update your music index at the same time each day.

1.   From the **Music** menu, select **Schedule Music Index Updates**.

2.   Select the time you would like your music index to automatically update, and click **OK**.

Selecting from Music Library

Browse

> **Note:** The music you select will play in the room or group that's highlighted in the **Rooms** pane.

1. From the **Rooms** pane, click to highlight the room you want to play music in.
2. Choose one of the following options:
    - From the **Music Library** pane, click the **Library** tab,

    Or

    - From the **Music** menu, click **Music Library**.

    PC - Click ⊞ to expand for more selections.

    Mac- Click ▶ to expand for more selections.
3. Use the mouse to move through the categories until you reach the choice you want.
4. Highlight the music selection and choose one of the following options:
    - Select **Play Now** to play the music now.
    - Select **Add to Queue** to add it to the end of your music queue.
    - Right-click and select **Play Next** to add it to the music queue as the next selection to play.
    - Right-click and select **Play Now and Replace Queue** to remove the contents of the current queue and replace it with this selection.

Search

1. From the **Rooms** pane, select the room you want to play music in.
2. Choose one of the following options:
    - From the **Music Library** pane, click the **Library** tab

    Or

    - From the **Music** menu, click **Music Library**.
3. Click **Search**.
4. Choose one of the following options:
    - If you are using a PC, enter your search criteria (full or partial), select the category you wish to search (artists, albums, composers, or tracks), and click **Search.**
    - If you are using a Mac, enter your search criteria (full or partial) click the magnifying glass icon to select the category you wish to search (artists, albums, composers, or tracks), and then press the Enter key.

Drag and Drop

You can *drag and drop* selections directly from the music library to the queue. Highlight a selection, and while holding down the mouse, drag the selection to the music queue, and then release.

> **Note:**   You can add tracks to a music queue while listening to other music.

If you've previously saved music queues as Sonos playlists, you can browse these playlists using the **Sonos Playlists** tab.

Music Library Preferences

Sort folders by preference

You can set the sorting preference for music folders that are accessible from your music library. You can choose to sort by:
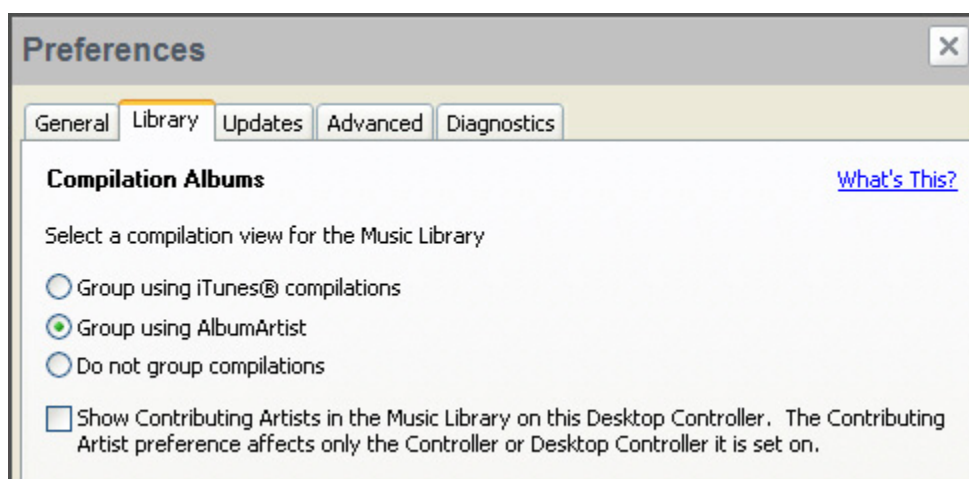
- Track name
- Track number
- Filename

1. From the **File** (PC) or **Sonos** (Mac) menu, select **Preferences**.
2. Click the **Library** tab, and select your sort order preference from the drop-down **Sort by** field.
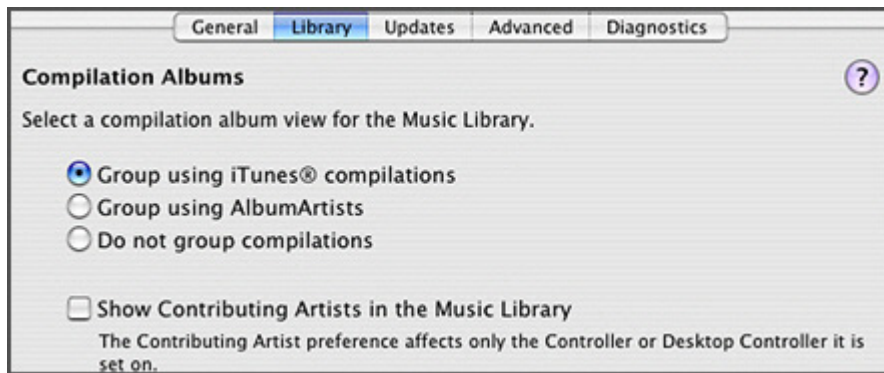
Compilation albums

If your music collection contains compilations and soundtracks, you may want to group these songs together in your music library instead of viewing them by individual artist. This means that any artists that appear solely on compilations will not appear in your *Artists* list. There are two ways you can group compilations within Sonos:

Sonos Controller for PC

Sonos Controller for Mac

Group using iTunes compilations

iTunes normally organizes your iTunes Music folder as *[Artist]/[Album]/[Track name].* iTunes has a feature that allows you to group your compilations albums together. This will organize your compilations and soundtrack albums as *[Compilations]/[Album]/[Track name].*

Within iTunes:

1. Mark individual tracks as being part of compilations by highlighting the track and then selecting **File** -> **Get Info**.

2. Check the **Part of a compilation** checkbox.

3. From iTunes **Preferences**, check the **Group Compilations When Browsing** checkbox. This will group the tracks you've marked as compilations.

Within Sonos:

You can organize your Sonos music library to use this iTunes compilation view.

1. Select **File** (PC) or **Sonos** (Mac) -> **Preferences**.

2. From the **Library** tab, select **Group using iTunes compilations**.

3. If you would like to see the individual artists displayed in a *Contributing Artist* view, check the **Show Contributing Artists in the Music Library** checkbox. If this box is not checked, the Contributing Artists view will not display.

Group using AlbumArtists

Windows Media Player, as well as some other players, use the Album Artist category to group compilations and soundtrack albums (the Album Artist is the person, group or composer the album would be filed under in a store.)

You can organize your Sonos music library to use the AlbumArtist compilation view.

1. Select **File** (PC) or **Sonos** (Mac) -> **Preferences**.

2. From the **Library** tab, select **Group using AlbumArtists**.

3. If you would like to see the individual artists displayed in a *Contributing Artist* view, check the **Show Contributing Artists in the Music Library** checkbox. If this box is not checked, the Contributing Artists view will not display.

Do not group compilations

If you choose not to group compilation albums, the individual artists will display within your *Artists* view.

1. Select **File** (PC) or **Sonos** (Mac) **-> Preferences**.
2. From the **Library** tab, select **Do not group compilations**. All of the individual artists will then appear in the **Artists** view.

Contributing artists

Contributing Artists are those who appear on individual tracks within an album, including those on a compilation or soundtrack album. You can set your preferences to show or hide these individual artists within a **Contributing Artists** view.

1. Select **File (PC)** or **Sonos** (Mac) -> **Preferences**.
2. From the **Library** tab, check or uncheck the **Show Contributing Artists** in the **Music Library** checkbox. If this box is not checked, the Contributing Artists view will not display.

The **Show Contributing Artists** preference setting you select applies only to this Sonos Controller for Mac or PC. If you have another Sonos controller, you can select a different Contributing Artist view for it.

Imported playlists

The Sonos Wireless HiFi System is compatible with iTunes playlists (including Genius Mixes) as well as M3U, WPL and PLS playlist files created with third-party software (e.g. iTunes, WinAmp, Windows Media Player, etc.).

The Sonos system does not change music or playlist files created by other applications; these files are always treated as "read-only".

M3U, WPL and PLS support

You can view your playlists by selecting **Imported Playlists** from the **Library** tab.

If they are not visible, they are probably not located in a folder you currently have shared to the Sonos Wireless HiFi System. Move the playlist file .PLS, .M3U or .WPL into the same music folder that is shared to the Sonos system, update your music index, and the custom playlists will appear when you select **Imported Playlists** from your music library. See "Managing Music Folders" on page 4-2 for additional information.

iTunes support

Using the Sonos Controller for Mac or PC, you can view your iTunes playlists in the Sonos system by selecting **Imported Playlists** from the **Library** tab.

- When you make changes to your iTunes playlist(s), exit iTunes, and then update your Sonos music index in order to see the changes (see "Updating your music index" on page 4-4.)
- iTunes playlists will automatically be imported into the Imported Playlists menu on both the SONOS CONTROL and Sonos Controller for Mac or PC as long as your '*iTunes Music Library.xml*' file is shared along with your music to the Sonos system. For typical iTunes installations, this file is located in the iTunes folder.
- Sonos is unable to play tracks that are protected by Apple's proprietary Digital Rights Management (DRM) scheme.

For additional information, browse our Frequently Asked Questions (FAQ) pages or Forums at **www.sonos.com/support**.

Using Twitter

You can let your friends and followers know what you're listening to on Sonos by updating your Twitter status from a Sonos controller. You can choose to automatically populate your update with the name of the artist and track you're listening to, or type your own message.

- Sonos supports up to 5 Twitter accounts per household.
- Twitter is available for use with the SONOS CONTROL, Sonos Controller for iPhone, Sonos Controller for iPad, and Sonos Controller for Mac or PC.

To add your Twitter Account to Sonos

You must be registered with Twitter to use this feature. Once you have set up an account, simply add your Twitter account information to Sonos.

1. Select **Setup Services** from the **Music** menu.
2. Click **Add**.
3. Select **Twitter** from the Social Networking Services box, and click **Next**.
4. Type your Twitter login and password, and click **Next**.

To send a Twitter Update

1. Click the *balloon* icon from the **Now Playing** pane.
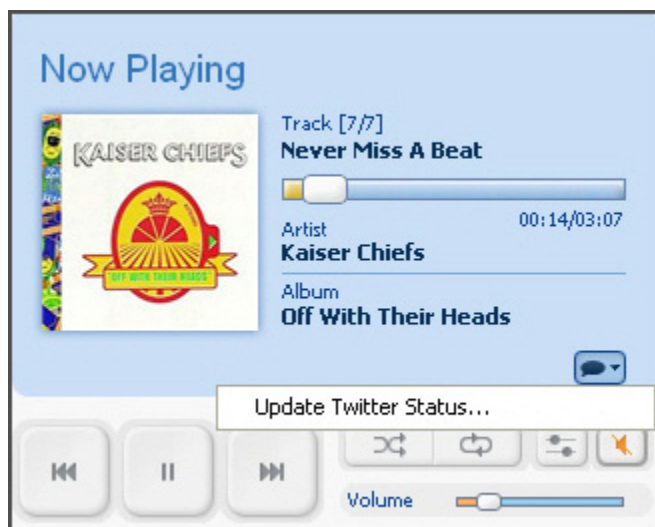
2. Click **Update Twitter Status**.
3. Choose one of the following options:
   - Type a message and click **Post**.
   - Click **Autofill** repeatedly to scroll through a list of preformatted messages, and click **Post** when the desired message is displayed.

Managing the Music Queue

Once you have added tracks to a queue, you can make changes to the music queue using the queue control buttons.

Removing a track from the queue

1. From the **Queue** pane, select the song you want to remove from the music queue.
2. Choose one of the following options:
   - Click **Remove Track**, or
   - Select **Queue** -> **Remove Track** from the **Play** menu.
3. The song disappears from the queue list.

Moving a track within the queue

1. Click the left-mouse button and, while holding, drag the track you want to move within the queue.
2. Once it is in the desired location, release the mouse button.

Clearing the music queue

Choose one of the following options:
   - Click **Clear Queue** from the bottom of the **Queue** pane.

   Or
   - From the **Play** menu, select **Queue** -> **Clear Queue**.

This will clear the entire queue in the selected room and the music will stop playing.

Changing the play mode

1. Click the **Shuffle**, **Repeat**, or **Crossfade** buttons displayed in the **Now Playing** pane to change the play mode.
   - The selected play mode appears as an icon in the **Now Playing** pane.

	Shuffle	Plays the tracks in the music queue in a random order.
	Repeat	Repeats the music queue after the last track has finished.
	Crossfade	Fades out the current track while fading in the next track to create a smooth transition between tracks.

Viewing large album art

From the **Now Playing** window, click the album art to enlarge it.

Music Services

A music service is an online music store or online service that sells audio on a per-song, per audiobook, or subscription basis. The Sonos Wireless HiFi System is compatible with several music services— for the latest list of online music and audio services, you can visit our Website at *www.sonos.com/howitworks/music/partners/default.aspx.*

(Some music services may not be available in your country. Please check the individual music service's Web site for more information.

To activate any of the free music service trials that are included with your Sonos system, your Sonos system must be registered. If you have not yet registered, you can go to "System Registration" on page 1-4 for help with this step.

If the **Music Services** tab is not displayed in the Music Library pane, see "Showing/hiding the Music Services tab" on page 4-13.

If you don't currently have a music service enabled, you can click **Get Music** to browse the latest online music and audio services available for use with the Sonos Wireless HiFi System.

Activating a music trial

Free music service trials are available in some countries. (Please check the individual music service's Web site for more information.) If there is a music service trial available on your Sonos Controller for Mac or PC, simply follow the steps below to activate it. After the trial period is up, you will need to subscribe to the music service to keep the music playing.

1. From the **Music Library**, click the **Music Services** tab.
2. Select the music trial you would like to activate. Once you accept the service's terms and conditions, your free trial period will start.

Removing a music service trial

When a music service trial expires, you may wish to remove the expired trial from your Sonos system.

1. From the **Music** menu, select **Set Up Services**.
2. Select the music trial you wish to remove, and click the **Remove** button.

Adding a compatible music service

If you are currently subscribed to a music service that's compatible with Sonos, simply add your music service user id and password information to Sonos and you'll have instant access to the music service from your Sonos system. To see the latest list of compatible music services, you can go to *www.sonos.com/howitworks/music/partners/default.aspx*.

> **Note:**   If you are adding Deezer account information, your login is the email address you signed up with when you set up your Deezer account. It is *not* your Deezer nickname.

1. From the **Music** menu, select **Set Up Services**.
2. The music services that are currently configured to work with your Sonos system are displayed.
3. Press the **Add** button.
4. Select the Sonos-compatible music service you would like to add, and click **Next** (PC) or **Continue** (Mac).

5. Enter your music service login and password, and click **Next** (PC) or **Continue** (Mac).

6. Your login and password will be verified with the music service. Once your credentials have been verified, you can click the **Music Services** tab, select your music service, and make a music selection.

> **Note:** If your music service does not appear when you click the Music Services tab, your firewall may be preventing Sonos from accessing it. For additional information, go to *http://faq.sonos.com/firewall*.

Deleting a music service account from Sonos

1. From the menu bar, select **Music -> Set Up Services**.

2. Select the account you wish to remove, and click **Remove**.

3. Click **Yes** to confirm, and then click **OK**.

This will not delete your account from the music service — your account status with the music service will be unaffected.

Showing/hiding the Music Services tab

You can change your preference setting to show or hide the Music Services tab in the Music Library pane of your Sonos Controller for Mac or PC. If you are not currently subscribed to a music service, you may wish to hide this tab.
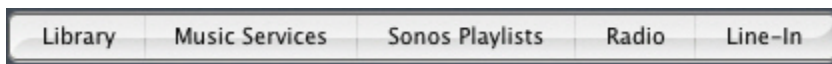
Sonos Controller for PC

Library	Music Services	Sonos Playlists	Radio	Line-In
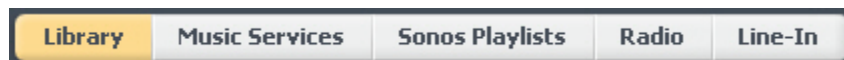
1. Go to **File** -> **Preferences** -> **General** and check or uncheck the **Show Music Services tab in the Music Library** box.

Sonos Controller for Mac

| Library | Music Services | Sonos Playlists | Radio | Line-In |
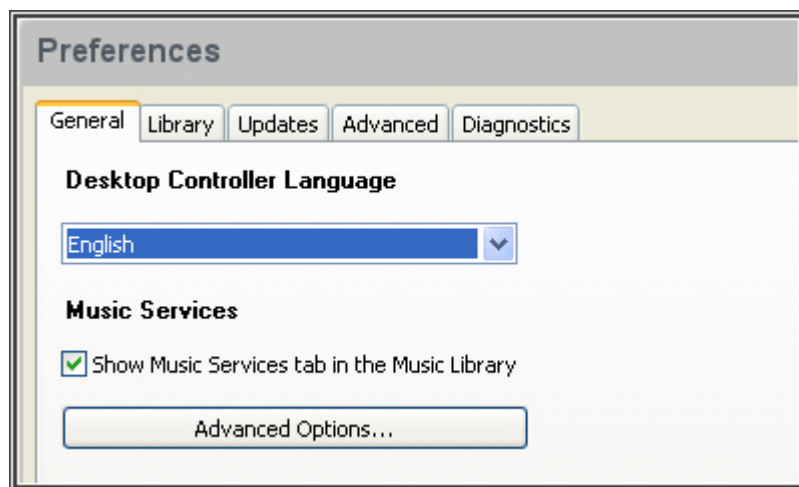
1. Go to **Sonos** -> **Preferences** -> **General** and check or uncheck the **Show the Music Services tab in the Music Library** box.

> **Note:** If your music service does not appear when you click the **Music Services** tab, your firewall may be preventing Sonos from accessing it. For additional information, go to *http://faq.sonos.com/firewall*.

Your music service password

If you want to change the password for a music service you subscribe to, such as Spotify, Rhapsody, or SiriusXM, **you must first change the password with your music service provider**.

1. Go to your music service provider's Web site, and change your password in the account settings. Once you've changed your password there, follow the steps below to update your Sonos system.

2. Select **Set Up Services** from the **Music** menu.

3. Highlight the music service you wish to update, and click the **Edit** button.

> **Note:** If you don't change your password with the music service first, it won't work on your Sonos system.

Windows Media Player 11

The Sonos Wireless HiFi System is compatible with Windows Media Player 11. If you have Windows Media Player on your computer, be sure to turn on *media sharing* in Windows Media Player so that the Sonos system can access the music stored in your WMP library. When media sharing is turned on, Sonos can play all the music in your WMP library, including any DRM-free songs you've downloaded from a music service.

Once you turn on media sharing in Windows Media Player, simply adjust the settings on your Sonos system to allow Windows Media Servers to display.

Enabling Windows media sharing

1. Start Windows Media Player 11.

2. Click **Stream**.

3. Choose one of the following options:

   - Allow Internet access to home media

   - Allow remote control of my player

   - Automatically allow devices to play my media — you may want to choose this option so streaming will automatically be allowed each time you add a new device to your network.

When you turn on media streaming, you can select **More streaming options** to see a list of your networked devices. You can choose to allow or block individual devices.

> **Note:** If you do not allow media streaming on all Sonos components, those Sonos components will not be able to play the music stored in your Windows Media Player library.

Displaying Windows Media Servers on Sonos

1. Select **File** -> **Preferences**.

2. From the **General** tab, select **Advanced Options** and check Show music from Windows media servers.
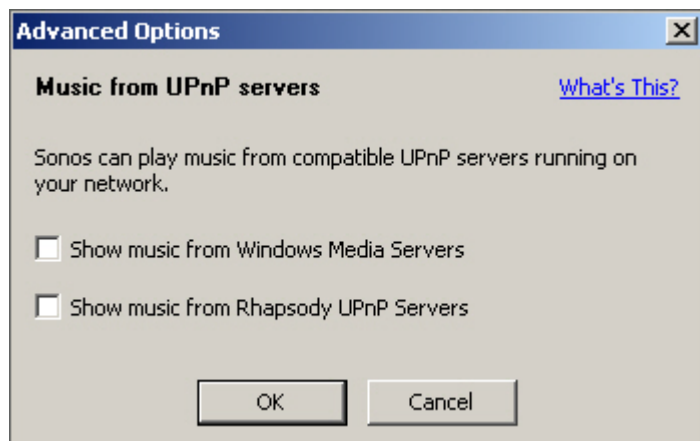
Selecting music from Windows Media Player

- Music selection choices include:
- Artists
- Contributing Artists
- Albums
- Composers
- Genres
- Tracks
- Playlists

1. From the **Music Library** pane, click the **Music Services** tab and select **Windows Media**.

   If the **Music Services** tab is not displayed in the Music Library, see "Showing/hiding the Music Services tab" on page 4-13.

2. Highlight a music selection and click **Play Now** or **Add to Queue** (adds to the end of your music queue).

Sonos Playlists

Sonos Playlists are music queues you create and save for future listening. For example, you might want to create a *jazz* playlist, a *party* playlist, or an *easy listening* playlist.

Creating a Sonos Playlist

Create a music queue by selecting music tracks from your music library.

1. Choose one of the following options:
   - From the **Queue** pane, click **Save Queue**, or
   - Select **Queue** -> **Save Queue as Sonos Playlist** from the **Play** menu.
2. Type a name for this playlist, and press **OK** (PC) or **Save** (Mac). This queue is now accessible from the **Sonos Playlists** tab.
3. To play a saved queue, highlight the desired playlist from the **Sonos Playlists** tab, and then choose one of the following options:
   - Select **Play Now** to start the playlist immediately
   - Select **Add to Queue** to add it to the end of your current music queue
   - Right-click and select **Play Now and Replace Queue** to clear the current queue and replace it with this playlist

Deleting a Sonos Playlist

1. From the **Sonos Playlists** tab, highlight the playlist you want to delete.
2. Choose one of the following options:
   - Click **Delete**, or
   - Click **Delete Playlist** from the **Music** menu.

Renaming a Sonos Playlist

1. From the **Sonos Playlists** tab, highlight the playlist you want to rename.
2. Choose one of the following options:
   - Right-click and select **Rename Playlist**, or
   - Select **Rename Playlist** from the **Music** menu.

Docked iPods

The Sonos DOCK allows you to play music stored on your docked iPod or iPhone in any or every room of your home, all perfectly synchronized. You can select music directly from your device when it is seated in the dock (autoplay mode), or you can use any Sonos controller to make music selections and control playback (accessory mode).

The dock is compatible with:

- iPod touch (1st, 2nd and 3rd generation)
- iPod classic
- iPod nano (3rd, 4th and 5th generation)
- iPhone 4, iPhone 3GS, iPhone 3G, iPhone

1. Place a compatible device in the dock.
2. Select the **Docked iPods** tab from the **Music Library** pane.
3. Select the device you want to play back.
4. Choose one of the following options:
   - Select **Play from the iPod**, and click **Play Now**.
   - Select **Browse** to search for a music selection, and then click **Play Now**.

Radio

Sonos includes a radio guide that provides access to thousands of free Internet radio stations and broadcast programs. You can easily find radio from all over the world—music, news, and variety programming, including archived shows and podcasts.

- If you have a music service enabled on your computer, you can additionally select Internet radio stations from your music service.
- Sonos currently supports MP3 and WMA streaming audio formats.
- If you can't find your favorite radio station or show, you can go to "Some radio stations are missing" on page A-5 for additional information.

Selecting a radio station

1. Select the room you want to listen in.
2. Click the **Radio** tab.
3. Choose one of the following options:
   - Search for a radio station, radio show or podcast by entering search criteria (full or partial) in the **Search** field. Select a category (Stations, Shows, or Hosts), and then click the **Search** button.
   - Select a station from your **Favorites** folder (these are stations or shows you have previously saved as Favorites).

- Select a station from your **Local Radio** location (these are stations or shows located in your local area. To set up a local radio location, see "Setting up or changing a local radio location" on page 4-19.
- Select a station or show by selecting from a category (including Music, Talk, and Location).

Setting up or changing a local radio location

Selecting a local radio location will give you easy access to local radio stations in that city. There are two ways you can set your location:

- by entering a zip code (U.S. only)
- by selecting a city

1. Select the **Radio** tab.
2. Select the **Local Radio** folder, and click **Change Location**.

Sonos Controller for PC

↓ Local Radio (Boston)   Change Location

Sonos Controller for Mac

▼ Local Radio (Boston)   Change Location

3. Select a new location and then press **OK** (PC) or **Done** (Mac).

Adding a new radio station

You can use the Sonos Controller for Mac or PC to add a radio station that does not appear in the radio guide. You must know the streaming URL, and the station must use the streaming MP3 broadcast format. This station will be added to your Favorites list.

1. Click the **Radio** tab.
2. Choose one of the following options:
    - Select **Add New**, or
    - Select **Add New Radio Station** from the **Music** menu.
3. Type the streaming URL for the radio station you want to add to your station list (for example: **http://shoutcast.com/ sbin/shoutcast-playlists.pls?rn=8107&file=filename.pls**).
4. Type the radio station's name in the **Station Name** field, and click **OK** (PC) or **Add** (Mac).

    The new radio station appears in your **Favorites** list.

Editing a radio station

Use the Sonos Controller for Mac or PC to edit a radio station.

> **Note:**   You can only edit the streaming URL or station name for those radio stations you manually added to your *Favorites* list.

1. Click the **Radio** tab.
2. Click to highlight a radio station, and then choose one of the following options:
    *   Select **Edit**, or
    *   Select **Edit Radio Station** from the **Music** menu.
3. Change the streaming URL, the station name, or click **Add to Favorites** to add the station to your Favorites list, and click **OK**.

Adding a station or show to your Favorites list

When you add a radio station or show to your *Favorites* list, it is duplicated in one of the Favorites folders (Radio Station or Radio Show), not moved from the original radio list.

From the **Radio** tab, highlight a radio station or radio show, and click **Add to Favorites**.

Deleting a station or show from your Favorites list

1. From the **Music Library** pane, select the **Radio** tab.
2. Select the **Favorites** folder.
3. Highlight the station you want to delete from your Favorites folder, and then click **Delete**.

Sonos Controller for PC

The Sonos Controller software is compatible with Windows® XP and higher operating systems. (For the latest system requirements and compatible audio formats, visit our Web site at *http://faq.sonos.com/specs*.

For easy setup, you should install the Sonos Controller for Mac or PC software on every Windows computer in your network that contains music files. However, if you wish to access music stored on a computer where file sharing is not enabled and the Sonos Controller for Mac or PC software is not installed, you can go to our Web site at *http://faq.sonos.com/sharing*.
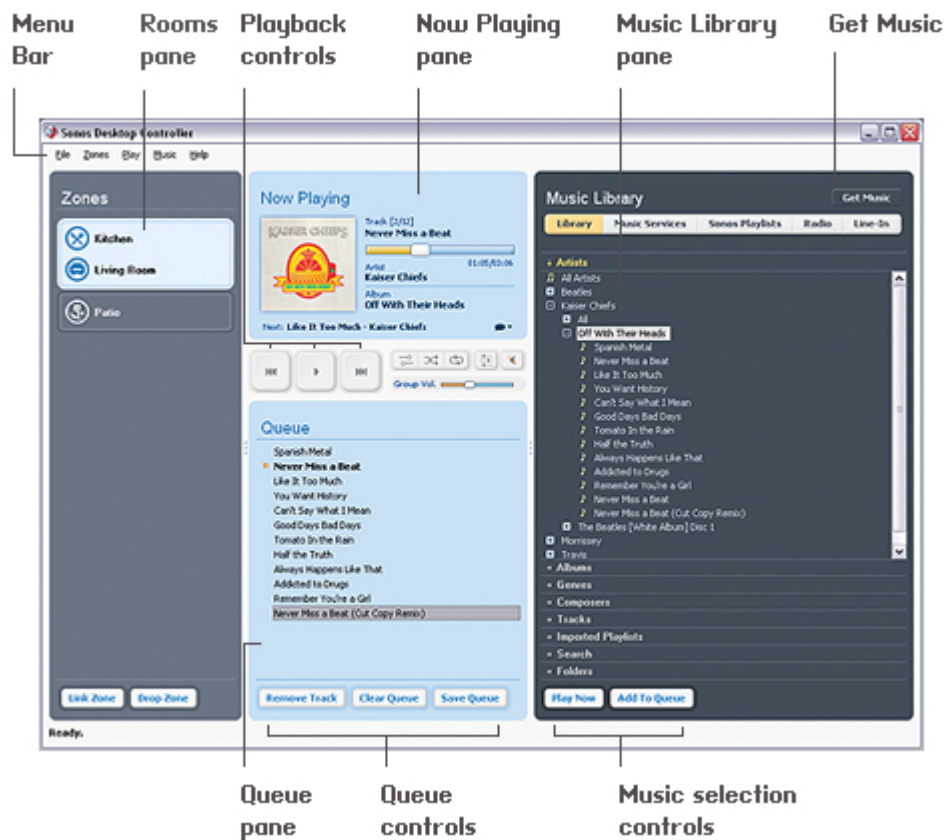
Chapter 5

Playback Controls

Select an action in one of the following ways:

- Click an action button
- Select an action from the menu bar
- Highlight a selection and then right-click

The **Now Playing** pane displays track information for the music you are currently listening to. You can control the music settings for the current selection using the playback controls below:

▶	**Play / Pause**	Toggles between playing and pausing the current track.
▶▶	**Next / Fast Forward**	Jumps to the start of the next track in the queue; click and hold down button, or click and drag progress bar to fast forward.
◀◀	**Previous / Rewind**	Click to move backward; click and hold down button, or click and drag progress bar to fast forward.
⤬	**Shuffle**	Click to play the tracks in the music queue to play in a random order.
⟲	**Repeat**	Click to repeat the queue list after the last track has finished.

Click the **Get Music** button to learn more about the music services available for Sonos customers.

Volume Control

You can control the volume for an individual room, or for a group. If you have two or more rooms linked in a group, click the **Equalizer** button to adjust the volume for each room individually.

> **Note:** If you have headphones plugged in, the volume in that room will be unaffected when adjusting the group volume.

	Volume Control	Click or drag the volume control bar to increase (+) or decrease (-) the volume. If a group is highlighted in the Rooms pane, the volume change applies to all rooms in the group. If a single room is highlighted, the volume change applies to that room only. When headphones are plugged in, a headphone icon is visible on the Volume screen. If you adjust group volume, the volume in the room with headphones attached will be unaffected.
	Equalizer	Adjusts the sound settings for a Sonos component, or to adjust volume for an individual room within a group.
	Mute	1. From the Rooms pane, click to highlight the room you want to mute. 2. Choose one of the following options: • Click the **Mute** button. To unmute, click the **Mute** button again. • From the **Play** menu, click **Mute Room**. To unmute, click **Unmute Room**. Mute all rooms You can temporarily mute all of your Sonos components at any time. The track will continue to progress, but there will be no sound emitted. • To mute all the rooms in your household, click **Mute All Rooms** from the **Play** menu. • To unmute, click **Unmute All Rooms** from the **Play** menu.

Using Headphones

The PLAY:5 has a headphone jack you can utilize for private listening. The headphone jack is auto detecting - plug in a pair of headphones and the PLAY:5's built-in speakers automatically mute. When you unplug the headphones, the speakers automatically come back on.

When headphones are plugged in, a headphone indicator is visible on the **Group Volume** screen. (Click to display the group settings.) If you adjust group volume, the volume in the room with headphones attached will be unaffected.

For additional information, see "Using Headphones" on page 2-9.

Clock and Alarms

This section discusses how to use the clock and alarms features on your Sonos Controller for Mac or PC.

Setting date and time

1. From the **Rooms** menu, select **Clocks and Alarms**.

2. Click the **Date and Time** button.

3. Choose one of the following options:

   • Select your time zone, desired time format, and date format, and then click **OK**.

   • Select the **Set the date and time from the Internet** radio button, and then click **OK**.

   • Select the **Set the date and time manually** radio button. Make your selections from the displayed fields, and then click **OK**.

Adding an alarm

1. From the **Rooms** menu, select **Clocks and Alarms**.

2. Click **New**.

3. Choose the desired settings for this alarm, including the alarm time, the room you would like the alarm to play in, the music source you'd like to play from, the frequency of the alarm, and the volume and duration settings.

   • If you check **Include Linked Rooms**, the alarm will play in the rooms that are linked together at the time the alarm goes off. It does not play in the rooms that were linked when the alarm was originally added to the Sonos system.

   • If you check **Shuffle music**, the play mode for the selected alarm music will be set to shuffle.

Note: If the music you've selected is not available (such as a radio station that has dropped off), your alarm will play the Sonos chime instead.To stop the chime, you can press **Pause**.

Editing an alarm

1. From the **Rooms** menu, select **Clocks and Alarms**.

2. Select the alarm you wish to change, and click **Edit**.

3. Make the desired changes, and click **OK**.

   • If you check **Include Linked Rooms**, the alarm will play in the rooms that are linked together when the alarm goes off. It does not play in the rooms that were linked when the alarm was originally added to the Sonos system.

   • If you check **Shuffle music**, the play mode for the selected alarm music will be set to shuffle.

Deleting an alarm

1. From the **Rooms** menu, select **Clocks and Alarms**.

2. Select the alarm you wish to delete, and click **Delete**.

Showing the clock screen

Once an alarm has been added to your Sonos system, you can set a preference to have the clock screen show automatically on a SONOS CONTROL when the alarm sounds.

1. From the **Music** menu on the CONTROL, select **Alarms**.

2. Touch **Alarms**, and then select the alarm from the list.

3. Select **Advanced** -> **Show Clock on this Controller**. (If you want the clock to show on another SONOS CONTROL, repeat this process on the other controller.)

Setting a sleep timer

1. From the **Rooms** pane, click to highlight the room or group you want to set up a sleep timer for.

2. From the **Rooms** menu, select **Sleep Timer**.

3. Select the desired time frame, and then click **OK**.

4. If you wish to turn the sleep timer off, select **Off** from the list, and click **OK**.

When a sleep timer is active, ⏱ displays in the **Now Playing** pane.

Software Updates

Sonos provides software updates for your music system in order to improve performance and add features. Your Sonos system must be registered to receive updates. If you have not yet registered, see "System Registration" on page 1-4.

Setting software update preferences

There are two options available:

- Periodically check for updates. When there is a software update available, an alert will appear when you start the Sonos Controller for PC software.
- Do not check for updates.

1. From the **File** menu, select **Preferences**.

2. Click the **Updates** tab.

3. Select the desired setting from the **Software Update Notifications** section.

Downloading software updates

1. From the **Help** menu, select **Check for Updates**.

2. If there are updates available, click **Update Now** to download.

    •   Your Sonos components will all be updated as Sonos components must carry the same software version number. This process may take several minutes per device, depending upon your network connection. **The Sonos Controller will automatically close and then re-open during the update process.**

    •   Software updates to a handheld Sonos Controller must be initiated from that Controller, so if you have recently updated the Sonos Controller software, you will be prompted to update your other Sonos controllers the next time you use them. Simply follow the on-screen prompts.

    •   If your software is up to date, the message "Your Sonos system is up to date. No updates are required" will appear instead.

Important Note: Do not disconnect power from your Sonos component(s), or in any way disable your Sonos system while this process is running. Contact Sonos Customer Support if an error occurs.

    •   One or more Sonos components may need to be updated when you purchase a new Sonos component with a later software version, or if you plug in a unit that was not in use when you performed your last software update. If a component's software version gets out of sync from the rest of your Sonos system components, an alert message will display in the **Rooms** pane.

    •   Click the outdated room to begin the software update process.

Firewall Information

The Sonos Wireless HiFi System is designed to work with most firewall software. You will be prompted during setup to allow access to Sonos—**be sure to allow access to Sonos** when prompted or the Sonos system will not operate correctly. For the latest firewall information, go to *http://faq.sonos.com/firewall*.

You can also contact Sonos Technical Support at *www.sonos.com/support*.

Sonos Controller for Mac

The Sonos Controller for Mac is compatible with Macintosh OS X, version 10.4 or later. (For the latest system requirements and compatible audio formats, you can visit our Web site at *http://faq.sonos.com/specs*.)

For easy setup, you should install the Sonos Controller software on every Macintosh computer in your network that contains music files.

During the setup process, you may be asked to configure your Macintosh's firewall for Sonos. Also, if your Macintosh computer does not have Windows Sharing enabled, the Sonos Controller for Mac will guide you through the process of enabling it. Your music files are never copied from their current locations - your folders are simply shared out so they can be accessed by your Sonos system.
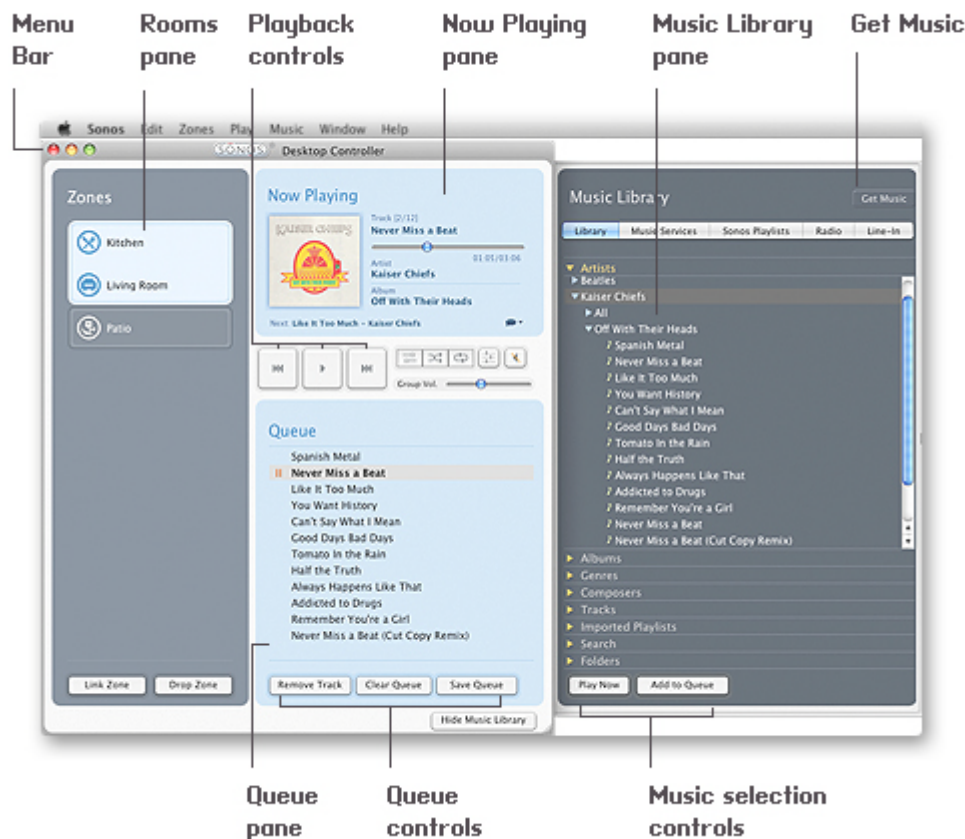
Chapter 6

Select an action in one of the following ways:

- Select a button
- Select an action from the menu bar

Playback Controls

▶	**Play / Pause**	Toggles between playing and pausing the current track.
▶▶	**Next / Fast Forward**	Jumps to the start of the next track in the music queue. Select and hold down button, or select and drag progress bar to fast forward.
◀◀	**Previous / Rewind**	Select to move backward; select and hold down button, or select and drag progress bar to rewind.
⤬	**Shuffle**	Select to play the tracks in the music queue in a random order.
⟲	**Repeat**	Select to repeat the queue list after the last track has finished.

Click the **Get Music** button to learn more about the music services available for Sonos customers

Select to hide or show the **Music Library** pane.

Select **Play Now** to play the music selection now.

Select **Add to Queue** to add the music selection to the end of your music queue.

Select or drag the volume control bar to increase (+) or decrease (-) the volume.

Volume Control

You can control the volume for an individual room, or for a group. If you have two or more rooms linked in a group, click the **Equalizer** button to adjust the volume for each room individually.

> **Note:**   If you have headphones plugged in, the volume in that room will be unaffected when adjusting the group volume.

	Volume control	Select or drag the volume control bar to increase (+) or decrease (-) the volume. If a group is selected in the **Rooms** pane, the volume change applies to all rooms in the group. If a single room is highlighted, the volume change applies to that room only. When headphones are plugged in, a headphone icon is visible on the Volume screen. If you adjust group volume, the volume in the room with headphones attached will be unaffected.
	Equalizer	Use to adjust the sound settings for a Sonos component (treble, bass, loudness, balance), or to adjust volume for an individual room within a group.
	Mute	Select to mute the sound in a room (if you have a group, all rooms in the group are affected). Select again to unmute Muting all rooms • To mute all the Sonos components in your household, select **Mute All Rooms** from the **Play** menu. The track will continue to progress, but no sound will be emitted. • To unmute all, select **Unmute All Rooms** from the **Play** menu.

Using Headphones

The SONOS PLAY:5 has a headphone jack you can utilize for private listening. The headphone jack is auto detecting - plug in a pair of headphones and the PLAY:5's built-in speakers automatically mute. When you unplug the headphones, the speakers automatically come back on.

When headphones are plugged in, a headphone indicator 🎧 is visible on the **Group Volume** screen.

(Click 🎛 to display the group settings.) If you adjust group volume, the volume in the room with headphones attached will be unaffected.

For additional information, see "Using Headphones" on page 2-9.

Clock and Alarms

This section discusses how to use the clock and alarms features on your Sonos Controller for Mac or PC.

Setting date and time

1. From the **Rooms** menu, select **Clocks and Alarms**.
2. Click the **Date and Time** button.

3. Choose one of the following options:

    • Select your time zone, desired time format, and date format, and then click **Set**.

    • Select the **Select the date and time from the Internet** radio button, and then click **Set**.

    • Select the **Set the date and time manually** radio button. Make your selections from the displayed fields, and then click **Set**.

Adding an alarm

1. From the **Rooms** menu, select **Clocks and Alarms**.

2. Click **New**.

3. Choose the desired settings for this alarm, including the alarm time, the room you would like the alarm to play in, the music source you'd like to play from, the frequency of the alarm, and the volume and duration settings.

    • If you check **Include Linked Rooms**, the alarm will play in the rooms that are linked together at the time the alarm goes off. It does not play in the rooms that were linked when the alarm was originally added to the Sonos system.

    • If you check **Shuffle music**, the play mode for the selected alarm music will be set to shuffle.

> **Note:** If the music you've selected is not available (such as a radio station that has dropped off), your alarm will play the Sonos chime instead. To stop the chime, you can press **Pause**.

Editing an alarm

1. From the **Rooms** menu, select **Clocks and Alarms**.

2. Select the alarm you wish to change, and click **Edit**.

3. Make the desired changes, and then click **Save**.

    • If you check **Include Linked Rooms**, the alarm will play in the rooms that are linked together when the alarm goes off. It does not play in the rooms that were linked when the alarm was originally added to the Sonos system.

    • If you check **Shuffle music**, the play mode for the selected alarm music will be set to shuffle.

Deleting an alarm

1. From the **Rooms** menu, select **Clocks and Alarms**.

2. Select the alarm you wish to delete, and click **Delete**.

Showing the clock screen

Once an alarm has been added to your Sonos system, you can set a preference to have the clock screen show automatically on a SONOS CONTROL when the alarm sounds.

1. From the **Music** menu on your SONOS CONTROL, select **Alarms**.

2. Touch **Alarms**, and then select an alarm from the list.

3. Select **Advanced** -> **Show Clock on this Controller**. (If you want the clock to show on another SONOS CONTROL, repeat this process on the other controller.

Setting a sleep timer

1. From the **Rooms** pane, click to highlight the room or group you want to set up a sleep timer for.

2. From the **Rooms** menu, select **Sleep Timer**.

3. Select the desired time frame, and then click **Set**.

4. If you wish to turn the sleep timer off, select **Off** from the list, and click **Set**.

   When a sleep timer is active, ⏱ displays in the **Now Playing** pane.

Software Updates

Sonos provides software updates for your music system in order to improve performance and add features. Your Sonos system must be registered to receive updates. If you have not yet registered, see "System Registration" on page 1-4.

Setting software update preferences

There are two options available:

- Periodically check for updates. When there is a software update available, an alert will appear when you start the Sonos Controller for Mac or PC software.

- Do not check for updates.

1. From the **Sonos** menu, select **Preferences**.

2. Select the **Updates** tab.

3. Choose the desired setting.

Downloading software updates

1. From the **Sonos** menu, select **Check for Updates**.

2. If there are updates available, select **Update Now** to download.

    -   All of your Sonos components will be updated, as all Sonos components must carry the same software version number. This process may take several minutes per device, depending upon your network connection. **Your Sonos Desktop Controller software will automatically quit and then re-open during the update process.**

    -   Software updates to a handheld Sonos controller must be initiated from the controller, so if you have recently updated the Sonos Controller for Mac or PC, you will be prompted to update your handheld controllers the next time you use them. Simply follow the on-screen prompts.

    -   If your software is up to date, the message "Your Sonos system is up to date. No updates are required" will appear instead.

    Important Note: Do not disconnect power from your Sonos component(s), or in any way disable your Sonos system while this process is running. Contact Sonos Customer Support if an error occurs.

    -   One or more Sonos components may need to be updated when you purchase a new Sonos component with a later software version, or if you plug in a Sonos component that was not in use when you performed your last software update. If a component's software version gets out of sync from the rest of your Sonos system, a message will display in the **Rooms** pane. Click the outdated room to begin the software update process.

Uninstalling Sonos

If you wish to remove the Sonos Controller software from your Macintosh computer, choose **Uninstall Sonos** from the **Sonos** menu, and then drag the application to the trash. The Sonos system will no longer be able to access music from this computer.

Firewall Information

The Sonos Wireless HiFi System is designed to work with most firewall software. You will be prompted during setup to allow access to Sonos—**be sure to allow access to Sonos** when prompted or the Sonos system will not operate correctly. For the latest firewall information, go to *http://faq.sonos.com/firewall*.

You can also contact Sonos Technical Support at *www.sonos.com/support*.

Enabling Windows File Sharing

OS X 10.4

1. From the **System Preferences** window, select the **Sharing** icon.

2. Select the **Services** tab.

3. Check the **Windows Sharing** checkbox.

   If an **Accounts** button appears, you don't need to select it.

4. Close the **System Preferences** window.

5. Select **Continue**.

OS X 10.5

1. From the **System Preferences** window, select the **Sharing** folder.

2. Check the box next to **File Sharing,** and then click **Options**.

3. Check **Share files and folders using SMB** and ensure that your user account has a check mark next to it.

   - Be sure the computer name is 15 characters or less, and that it does not have any apostrophes, spaces, or special characters in the name.

Tips and Troubleshooting

Basic Troubleshooting

> **Warning:**   Under no circumstances should the product be repaired by anyone other than an authorized Sonos repair center, as this will invalidate the warranty. Please contact Sonos Customer Support for an authorized repair center in your area. Do not open the system as there is a risk of electric shock.

If a problem occurs, you can try the solutions listed in the troubleshooting section. If you are unable to remedy the problem, please contact the Sonos Customer Support team and we'll be happy to help.

- **Web site**
  - Visit our Web site at **www.sonos.com/support**.
    There you can visit our Forums, browse our Frequently Asked Questions (FAQ) pages, or request assistance.
- **Email: support@sonos.com**
- **Text-Chat and Phone: www.sonos.com/support/contact**

After upgrading to Windows Vista, music doesn't play

After you upgrade from Windows XP to Windows Vista, you may experience problems playing the music stored on the recently updated computer. To ensure uninterrupted play, you'll need to re-add the music folders stored on *that* computer to your Sonos system.

1. From the **Music** menu, select **Set Up Music Library**.
2. Select the music folder(s) stored on this computer, and click **Remove**.
3. Next, re-add the share by selecting **Add a Share**.
4. Select **Add music stored on this computer** and click **Next**.
5. Select the music folder you just removed, and click **Next**.
6. Click **Finish**.

Wired Sonos component not detected during setup

A network or firewall issue may be preventing the Sonos component that is connected to your router from joining your Sonos system. You can try the steps below to resolve this issue.

A

(If this is a wireless Sonos component, you can try moving the Sonos components closer together, or wire them temporarily to see if the problem is related to wireless interference.)

If you are still experiencing problems, please contact the Sonos Customer Service Center.

1. Check the firewall

Firewall software installed on the computer may be blocking the ports that Sonos uses to operate. First disable all your firewalls and try to connect again. If this resolves the problem, you should configure your firewall to work with the Sonos Controller for Mac or PC software. If this does not resolve the problem, try step 2 below.

2. Check the router

You can bypass your router's switch to determine whether there are any router configuration issues by connecting Sonos as shown below (note that the BRIDGE and the computer still have Internet access in this configuration):

- Be sure that your cable/DSL modem is connected to the router's WAN (Internet) port.
- Temporarily remove any other components that are wired to your network.
- Connect an Ethernet cable from the computer directly to the back of the Sonos component, and then connect another Ethernet cable from the Sonos component directly to one of the LAN ports on your router.
- When you make a change to your network configuration, you may need to power cycle the Sonos component by unplugging the power cord, and then plugging it back in.
- If you are not using a router, see ***http://faq.sonos.com/norouter***.

3. Check the wiring

Check the link/activity lights on both the router and the Sonos component. The link lights should be lit solid, and the activity lights should be blinking.

- If the link lights are not lit, try connecting to a different port.
- If the link lights still do not light, try connecting a different Ethernet cable.

When adding a controller, it doesn't detect Sonos component(s)

1. Verify that this is not a DHCP or network problem

- Disconnect the Ethernet cable from the back of the Sonos component that is wired to your router.
- Unplug the Sonos component's power cord and then plug it back in.
- When the status indicator light on the front of the Sonos component stops blinking white, try adding your Controller again.

If this works, your router's DHCP server may have run out of available IP addresses to assign to the Controller. In most cases you can log into your router by typing http://192.168.1.1 into your browser's address line (the IP address of your router may be different). Check the DHCP settings and increase the number of IP addresses available in the DHCP scope.

If your Controller still doesn't recognize the Sonos component after completing this step, you can try step 2 below.

2. Turn off any 2.4GHz cordless phones

Some 2.4GHz cordless telephones can cause wireless interference. If turning off your 2.4GHz cordless phone resolves the problem, you should consider switching to a 5.8Ghz or 900Mhz phone (or change the wireless channel your Sonos system is operating on - see the instructions below).

3. Put 108 Mbps wireless routers into 54 Mbps mode

Sonos cannot function properly when a router is operating in turbo mode. To double the speed from 54 Mbps to 108 Mbps, the router goes into a wide bandwidth mode which uses most of the 2.4 GHz spectrum that the FCC has set aside for 802.11b/g devices. This means that interference (RF noise) will occur with any other 2.4 GHz device that is not operating on the same channel as the 108 Mbps device (usually channel 6). While it is possible to put all of your wireless devices on channel 6, it is unwise. The devices will have to compete for available bandwidth, and your entire wireless network will become sluggish.

4. Change the wireless channel your Sonos system is operating on

- Using a handheld Sonos controller: From the **Settings** menu, touch **Advanced Settings**, and then **Wireless Channel**. Choose another wireless channel from the list.
- Using the Sonos Controller for Mac or PC: Select **Preferences** from the **File** (PC) or **Sonos** (Mac) menu. Click the **Advanced** tab, and select another wireless channel.

It may take several seconds for the switch to take effect. If you have music playing, a short music dropout will occur during the wireless channel change.

Sonos component isn't operating properly

- If the white status indicator is not lit and no sound is produced when the unit is plugged in, check the insertion of the power cord.
- Check to ensure that the Status indicator on the front of the Sonos component is illuminated and solid white. If it is flashing or solid amber, see "Sonos component has stopped playing music" on page A-4.
- Check to ensure that the green link light is lit on the Ethernet switch on the rear panel of the Sonos component wired to your network.
- Move the Controller closer to the unit.
- Check to ensure there are no obstacles to impede wireless operation.
- Check your network connections.
- The Sonos component may need to be **reset**. Disconnect the power cord for 5 seconds, and then reconnect. Wait for the Sonos component to restart.

Status indicator lit, but no sound

- Make sure speakers are connected securely.
- Make sure volume is set to a suitable level.
- Make sure MUTE is not on.

Sonos component volume level reduces

If the status indicator changes to solid amber, and the volume reduces to 75%, this indicates that the Sonos component is experiencing a fault condition.

- Check the Sonos component vents to ensure they are not blocked.
- Check for speaker short circuit.
- Mute Sonos component or unplug it for several minutes to allow it to cool.

Sonos component has stopped playing music

If a Sonos component stops playing music, and the status indicator lights are flashing (long amber, short white, repeat) this indicates that the Sonos component has experienced a fault condition and has automatically muted itself to prevent damage to the Sonos component.

- Check the Sonos component vents to ensure they are not blocked.
- Check for speaker short circuit.
- Unplug the Sonos component for several minutes to allow it to cool.
- Mute and unmute the Sonos component.

See "Player Status Indicators" on page A-7 for more information on LED lights.

Sound produced from only one speaker

- Make sure speaker is connected securely.
- Make sure balance control is set correctly.

Cannot access radio, online updates, or registration

- Your firewall may be blocking outgoing connections to the Internet. Ensure the firewall allows access to the Internet for the Ethernet addresses of your Sonos components.
- Your firewall may be configured so that Sonos components cannot obtain an IP address. If so, your Sonos components will display an IP address in the 169.254.xxx.yyy range, even though there is a router/DHCP server on the network. (You can check the IP addresses assigned to your Sonos components by selecting **About My Sonos System** from the **Settings** menu on a handheld controller, or **About My Sonos System** from the **Help** menu (PC) or **Sonos** menu (Mac) on the Sonos Controller for Mac or PC.) The DHCP server built in to some routers may be configured to supply IP addresses only to devices with specific permitted Ethernet MAC addresses. If you have configured your router in this way, you will need to grant permission to the Ethernet MAC address of each Sonos component (including the Controller) before setting up your system. For more information, go to **_http://faq.sonos.com/dhcp_**.

Controller screen is unresponsive

If the SONOS CONTROL's screen should ever become unresponsive, you can remove the battery from the back of the unit, and then immediately put it back in. Place the controller into the charging cradle momentarily to wake it up.

Rooms do not display properly

If the Controller does not display your rooms properly, or displays the message, "Searching for Sonos components..."

- Make sure at least one Sonos component is plugged in and its status indicator is illuminated solid white.
- The Sonos component(s) may be going through an upgrade/restart, and rooms will reappear after the restart.
- Move the Controller closer to the Sonos unit.

The Sonos controller acting sluggish or not all rooms are visible

You are probably experiencing wireless interference. Change the wireless channel your Sonos system is operating on by following the steps below.

1. Select **Preferences** from the **File** (PC) or **Sonos** (Mac) menu.
2. Click the **Advanced** tab, and select another wireless channel.

Controller doesn't work in some parts of my home

- Move the Controller closer to a Sonos component.
- Change the wireless channel your Sonos system is operating on. From the **Settings** menu, select **Advanced Settings**, and then **Wireless Channel**. Choose another channel from the list.
- If these don't solve the problem, you can extend the wireless range of your music system by purchasing and installing a SONOS BRIDGE.

Music stops when I use my 2.4 GHz cordless phone

Change the wireless channel your Sonos system is operating on by selecting **System Settings -> Advanced Settings -> Wireless Channel**.

Wrong album art displayed

If the incorrect album art, or no album art appears, for details on how album art is located and displayed, please visit our Web site at ***http://faq.sonos.com/art***.

Some radio stations are missing

The Sonos Radio guide is powered by RadioTime. If you don't find your favorite radio station or show, search for the missing station or show on the RadioTime's Website at ***http://radiotime.com/index.aspx***.

- If the station or show does not appear, you can click the orange **Tell us to Fix-It** button and enter the station information to request that RadioTime add it. Leave your email address if you would like a reply.
- If the station or show is listed, it may not have a current stream, or the stream may not be compatible with Sonos. Click the item name to view station details, and then click the orange **Tell us to Fix-It** button to request that a compatible stream be added. Leave your email address if you would like a reply.
- If you'd like to see a show schedule or podcast added, send an e-mail to RadioTime via their contact form. Be sure to include as much information as possible, including a URL to the show's schedule or the podcast URL.
- Alternatively, you can send an email to support@radiotime.com.

Can I Eliminate The First Wire?

If you do not wish to play music where your router is located, an easy and inexpensive solution is to purchase and install a SONOS BRIDGE. (If you are replacing the Sonos component that is already connected to your router, be sure to add the BRIDGE to your music system before disconnecting the original Sonos component from your router. You can then disconnect the component from the router, connect the BRIDGE, and move that Sonos component to another location.)

It is possible to use another wireless bridge to eliminate the first wire in your Sonos Wireless HiFi System, but this is an **unsupported configuration**, and as such, technical questions should not be directed to Sonos Technical Support. Instead, you can browse the Sonos forums, (*http://forums.sonos.com*).

Player Status Indicators

Status Indicator	Mute Button Indicator	State	Additional Information
Solid white	Off	Powered up, connected to the network	You can turn the white light off so it does not display when your Sonos component is in normal operation.
Solid white	Solid green	Muted room	
Solid white	Flashing green to solid green	Muted whole house	
Flashing white	Off	Powering up (booting)	
Flashing white	Flashing green	Powered up, not connected to a Sonos system	Flashing in unison
Flashing white	Flashing green	Looking for a Sonos system	Flashing alternately
Flashing white	Flashing amber	Upgrading software	
Flashing amber	Off	Powering up in reset mode	
Solid amber		Sonos component fault warning	The Sonos component is beginning to experience a fault condition and will reduce to 75% volume. • Check the Sonos component vents for adequate cooling • Check for speaker short circuit • Mute and then unmute the Sonos component • Unplug the Sonos component for several minutes to allow it to cool
Long amber, short white, repeat		Sonos component fault shutdown (mute)	If the fault condition (above) is not remedied, the Sonos component will automatically mute itself to prevent damage to the Sonos component.

Solid or flashing red	Diagnostics mode	You may be instructed to enter Diagnostics mode by a technician when you call Customer Support to report a problem.
		If you accidentally enter diagnostics mode, press the **Mute** button to exit.

About Your Music System

If you make a call to Sonos Customer Support, you may be asked for specific details regarding your Sonos system. You can find this information by choosing one of the following options:

- Select **About My Sonos System** from the **Settings** menu on a handheld controller.

Or,

- Select **About My Sonos System** from the **Help** menu on the Sonos Controller for Mac or PC.

Or,

- Select **About My Sonos System** from the **Sonos** menu on the Sonos Controller for Mac or PC.

Support Diagnostics

Support Diagnostics should only be accessed if you are talking with a Sonos Support representative. (To find the correct telephone number for your country, go to *www.sonos.com/support/contact*.)

For general Sonos support information, go to *www.sonos.com/support*.

1. From the File (PC) or **Sonos** (Mac) menu, click **Preferences**.

2. Click the **Diagnostics** tab.

3. Click **Submit Diagnostics** if you are instructed to by your Sonos Support representative.

Can't Find What You're Looking For?

If you can't find the answer to your question in our documentation, please visit our Frequently Asked Questions (FAQ) pages at *www.sonos.com/support*.

Or, ask us a question at *http://faq.sonos.com/ask*.

Sonos Device Specifications

SONOS CONNECT:AMP (formerly ZonePlayer 120)

Feature	Description
Audio	
Amplifier	Class-D
Rated Output	110W RMS (2x55W continuous average power into 8 ohms, THD+N<0.02%)*
Speaker Connections	Spring binding posts (in North America, the ZP120 has combined spring binding post/banana jack connectors)
Line-In Connections	Auto-detecting RCA type
Subwoofer Output	Auto-detecting RCA type, 80 Hz crossover
Music Access	
Audio Formats Supported	MP3, WMA, AAC (MPEG4), iTunes Plus, Ogg Vorbis, Audible (format 4), Apple Lossless, Flac (lossless) music files, as well as uncompressed WAV and AIFF files. Native support for 44.1kHz sample rates. Additional support for 48kHz, 32kHz, 24kHz, 22kHz, 16kHz, 11kHz, and 8kHz sample rates. Note: Previously purchased Apple "Fairplay" DRM-protected songs may need to be upgraded. See Apple for details. WMA Lossless formats not currently supported.
Music Services Supported	Anubis.fm, AUPEO!, Deezer, iheartradio, Last.fm, MOG, Pandora®, Rdio®, Rhapsody®, SiriusXM™ Internet Radio, Spotify®, Stitcher SmartRadio(tm), TuneIn, Wolfgang's Vault®, and downloads from any service offering DRM-free tracks. (Service availability varies by region.)
Operating Systems (for stored files)	Windows XP and higher; Macintosh OS X; NAS (network-attached storage) devices supporting CIFS
Internet Radio Supported	Streaming MP3 or WMA
Album Art Supported	JPEG, PNG, BMP, GIF
Playlists Supported	Rhapsody®, iTunes®, WinAmp®, Windows Media Player®, and MusicMatch™ (.m3u, .pls, .wpl)
Networking	
Wireless Connectivity	SonosNet, a secure AES encrypted, peer-to-peer wireless mesh network

B

Network Bridging	2-port switch (10/100Mbps, auto MDI/MDIX) allows Ethernet devices to connect through SonosNet
Internet connectivity	Internet connection required for access to Internet radio stations, online music services and software updates (DSL, cable modem or LAN-based high-speed Internet connection required.) Internet functionality may require payment of separate fee to a service provider; local and/or long distance telephone charges may apply.

General

Power Supply	AC 120/240, 50-60 Hz, user-switchable
Front Panel Buttons	Volume and Mute
Front Panel LED Indicators	Status Indicator and Mute status
Dimensions (H x W x D)	3.50 x 7.28 x 8.15 in. (89 x 185 x 207 mm)
Weight	5.1 lbs. (2.3 kg)
Operating Temperature	32º to 104º F (0º to 40º C)
Storage Temperature	4º to 158º F (-20º to 70º C)
Product Finish	Anodized precision machined extrusion aluminum case. Aluminum casing also facilitates passive cooling.

* Both channels driven, 22Hz-20KHZ-AES17 measurement bandwidth

* Specifications subject to change without notice.

SONOS CONNECT (formerly ZonePlayer 90)

Feature	Description
Audio	
Sound Quality	THD+N<0.009%, 20Hz-20kHz
Line In	Analog (RCA), auto-detecting
Line Out	Analog (RCA), digital (optical and coaxial)
Music Access	
Audio Formats Supported	MP3, WMA, AAC (MPEG4), iTunes Plus, Ogg Vorbis, Audible (format 4), Apple Lossless, Flac (lossless) music files, as well as uncompressed WAV and AIFF files.
	Native support for 44.1kHz sample rates. Additional support for 48kHz, 32kHz, 24kHz, 22kHz, 16kHz, 11kHz, and 8kHz sample rates.
	Note: Previously purchased Apple "Fairplay" DRM-protected songs may need to be upgraded. See Apple for details. WMA Lossless formats not currently supported.

Music Services Supported	Anubis.fm, AUPEO!, Deezer, iheartradio, Last.fm, MOG, Pandora®, Rdio®, Rhapsody®, SiriusXM™ Internet Radio, Spotify®, Stitcher SmartRadio(tm), TuneIn, Wolfgang's Vault®, and downloads from any service offering DRM-free tracks. (Service availability varies by region.)
Operating Systems (for stored files)	Windows XP and higher; Macintosh OS X; NAS (network-attached storage) devices supporting CIFS
Internet Radio Supported	Streaming MP3 or WMA
Album Art Supported	JPEG, PNG, BMP, GIF
Playlists Supported	Rhapsody, iTunes, WinAmp, Windows Media Player, and MusicMatch (.m3u, .pls, .wpl)

Music Access

Wireless Connectivity	SonosNet™, a secure AES encrypted, peer-to-peer wireless mesh network.
Network Bridging	2-port switch allows Ethernet devices to connect through SonosNet™
Internet connectivity	Internet connection required for access to Internet radio stations, online music services and software updates (DSL, cable modem or LAN-based high-speed Internet connection required.) Internet functionality may require payment of separate fee to a service provider; local and/or long distance telephone charges may apply.

General

Power Supply	AC 100/240, 50-60 Hz
Front Panel Buttons	Volume and Mute
Front Panel LED Indicators	Status indicator and Mute status
Dimensions (H x W x D)	2.91 x 5.35 x 5.51 in (74 x 136 x 140 mm)
Weight	1.5 lbs. (.69 kg)
Operating Temperature	32º to 104º F (0º to 40º C)
Storage Temperature	4º to 158º F (-20º to 70º C)
Finish	Light gray/high quality polycarbonate material

* Specifications subject to change without notice.

SONOS PLAY:3

Feature	Description
Audio	
Amplifier	Three Class-D digital amplifiers
Speakers	Three driver speaker system - two 3" mid-range drivers, and one tweeter. Each driver of the product is individually powered by a dedicated amplifier.
Bass Radiator	One rear firing bass radiator with a 60 sq. cm surface area.
Stereo Pair setting	Allows you to group two PLAY:3's in the same room with one PLAY:3 serving as the left channel and the other as the right channel.
Music	
Audio Formats Supported	Support for compressed MP3, iTunes Plus, WMA (including purchased Windows Media downloads), AAC (MPEG4), Ogg Vorbis, Audible (format 4), Apple Lossless, Flac (lossless) music files, as well as uncompressed WAV and AIFF files. Native support for 44.1kHz sample rates. Additional support for 48kHz, 32kHz, 24kHz, 22kHz, 16kHz, 11kHz, and 8kHz sample rates. **Note**: Apple "Fairplay", AAC Enhanced and WMA Lossless formats not currently supported. Previously purchased Apple "Fairplay" DRM-protected songs may be upgraded. See Apple for details.
Music Services Supported	Anubis.fm, AUPEO!, Deezer, iheartradio, Last.fm, MOG, Pandora®, Rdio®, Rhapsody®, SiriusXM™ Internet Radio, Spotify®, Stitcher SmartRadio(tm), TuneIn, Wolfgang's Vault®, and downloads from any service offering DRM-free tracks. (Service availability varies by region.)
Operating Systems (for stored files)	Windows® XP SP2 and higher; Macintosh OS X 10.4 and higher; NAS (network-attached storage) devices supporting CIFS
Internet Radio Supported	Streaming MP3 or WMA
Album Art Supported	JPEG, PNG, BMP, GIF
Playlists Supported	Rhapsody, iTunes, WinAmp, Windows Media Player, and MusicMatch (.m3u, .pls, .wpl)
Networking*	
Wireless Connectivity	SonosNet 2.0, a secure AES encrypted, peer-to-peer wireless mesh network
Network Bridging	One 10/100Mbps Ethernet port
Internet connectivity	Internet connection required for access to Internet radio stations, online music services and software updates (DSL, cable modem or LAN-based high-speed Internet connection required.) Internet functionality may require payment of separate fee to a service provider; local and/or long distance telephone charges may apply.
General	
Power Supply	AC 120/240V, 50-60 Hz, auto-switchable
Front Panel Buttons	Volume and Mute

Front Panel LED Indicators	Status indicator and Mute status
Dimensions (H x W x D)	5.2 x 10.5 x 6.3 in. (132 x 268 x 160 mm)
Threaded mount	1/4 inch (6.75mm) / 20-thread
Weight	5.7 lb (2.6 kg)
Operating Temperature	32º to 104º F (0º to 40º C)
Storage Temperature	4º to 158º F (-20º to 70º C)
Product Finish	White with light metallic grille; black with graphite grille

* Specifications subject to change without notice.

SONOS PLAY:5 (formerly S5)

Feature	Description
Audio	
Amplifier	Five Class-D digital amplifiers delivering 80W of total output
Speakers	Five driver speaker system - two tweeters, two 3" mid-range drivers, and one 3.5" woofer. Each driver of the product is individually powered by a dedicated amplifier.
Headphone	Auto-detecting 3.5 mm headphone connection. The S5's integrated speakers mute when headphones are inserted.
Audio Line-In	Auto-detecting 3.5mm audio line-in connection
Music	
Audio Formats Supported	MP3, iTunes Plus, WMA, AAC (MPEG4), Ogg Vorbis, Audible (format 4), Apple Lossless, Flac (lossless) music files, as well as uncompressed WAV and AIFF files. Native support for 44.1kHz sample rates. Additional support for 48kHz, 32kHz, 24kHz, 22kHz, 16kHz, 11kHz, and 8kHz sample rates. Note: Previously purchased Apple "Fairplay" DRM-protected songs may be upgraded. See Apple for details. AAC Enhanced and WMA Lossless formats not currently supported.
Music Services Supported	Anubis.fm, AUPEO!, Deezer, iheartradio, Last.fm, MOG, Pandora®, Rdio®, Rhapsody®, SiriusXM™ Internet Radio, Spotify®, Stitcher SmartRadio(tm), TuneIn, Wolfgang's Vault®, and downloads from any service offering DRM-free tracks. (Service availability varies by region.
Operating Systems (for stored files)	Windows XP SP2 and higher; Macintosh OS X 10.4 and higher; NAS (network-attached storage) devices supporting CIFS
Internet Radio Supported	Streaming MP3 or WMA
Album Art Supported	JPEG, PNG, BMP, GIF
Playlists Supported	Rhapsody, iTunes, WinAmp, Windows Media Player, and MusicMatch (.m3u, .pls, .wpl)

Networking*

Wireless Connectivity	SonosNet 2.0, a secure AES encrypted, peer-to-peer wireless mesh network
Network Bridging	2-port switch (10/100Mbps, auto MDI/MDIX) allows Ethernet devices to connect through SonosNet
Internet connectivity	Internet connection required for access to Internet radio stations, online music services and software updates (DSL, cable modem or LAN-based high-speed Internet connection required.) Internet functionality may require payment of separate fee to a service provider; local and/or long distance telephone charges may apply.

General

Power Supply	AC 120/240V, 50-60 Hz, auto-switchable
Front Panel Buttons	Volume and Mute
Front Panel LED Indicators	Status indicator and Mute status
Dimensions (H x W x D)	8.50 x 14.40 x 4.80 in. (217 x 365 x 123 mm)
Weight	9.15 lbs. (4.15kg)
Operating Temperature	32º to 104º F (0º to 40º C)
Storage Temperature	4º to 158º F (-20º to 70º C)
Product Finish	White finish with light metallic grill.

* Specifications subject to change without notice.

SONOS CONTROL (formerly Controller 200)

Feature	Description
Display and User Interface	
Screen	3.5 in. (diagonal) color LCD with LED backlighting. 640 x 480 pixels (full VGA resolution)
Touch Screen	Capacitive touch screen technology with rugged, scratch-resistant glass face. Find and select music by touching, typing and flicking a finger.
Screen Type1	Transflective LCD screen, suitable for both indoor and outdoor use. Adjustable LED backlighting. Backlighting automatically activated via light sensor.
Function Buttons	3 buttons with adjustable backlight: Mute, Volume (-/+) and Rooms. Backlighting automatically activated via light sensor.
Indicators	Wireless signal strength, clock, and battery charge indicators (on-screen); Orange LED indicator appears when Controller is starting-up or when the battery is too low to power-on the screen.
Light Sensor	Senses the ambient light in a room and adjusts the button and screen backlights.

Motion Sensor	Detects when the Controller is picked-up and automatically wakes it from battery-saving sleep mode.
Power/Connections	
Battery	High density rechargeable 1850mAh Li-ION Polymer battery; User-replaceable through battery door on back of Controller
DC Charger	Input 100-240 VAC, 50/60 HZ, Output 5 VDC, 2 A
Battery Charging Time	2 hours to fully charge
Battery Life	2-5 days of use between charging (depending on usage pattern and sleep timer settings.
Wireless Connectivity	SonosNet a secure AES encrypted peer-to-peer wireless mesh network
General	
Dimensions	Controller: 2.9 x 4.5 x 0.7 in. (72.9 x 115.5 x 17 mm) Cradle: 3.2 x 3.0 x 2.4 in. (80.8 x 75.1 x 60.3 mm)
Weight	Controller: 6.7 oz. (190 g) Cradle: 6.0 oz. (170g)
Finish	Rugged glass screen; Anodized precision machined extrusion aluminum case with soft durable rubber backing

* Specifications subject to change without notice.

Sonos Controller 100

Feature	Description
Display and User Interface	
Screen Type	Transflective LCD screen, with adjustable backlighting
Screen Resolution	3.5" (diagonal) color LCD, 240 x 320 (QVGA)
Browse Control	Touch-sensitive scroll wheel with center-mounted selector button
Function Buttons	9 Backlit buttons, 3 soft-selector buttons below screen
Indicators	Wireless signal strength and battery charge indicator (on-screen), battery status indicator LEDs
Power/Connections	
Battery Type Battery Charging Time	Rechargeable Li-ION Polymer battery, factory replaceable 2 hours to fully charge
DC Charger	Input 100-240 VAC, 50/60 HZ, Output 6 VDC, 3.8 A

Auxiliary Power Connection	Bottom-mounted charger contacts
Wireless Connectivity	SonosNet a secure AES encrypted peer-to-peer wireless mesh network

General

Dimensions	6.5"x 3.8" x 0.95" (165mm x 97mm x 24.5mm)
Weight	12.5 oz. (360 g)
Finish	Metal cladding on light gray enclosure, splash-resistant

* Specifications subject to change without notice.

SONOS BRIDGE

Feature	Description
Ethernet Connection	2-port switch, 10/100 Mbps, auto MDI/MDIX
Network Bridging	2-port switch allows Ethernet devices to connect through SonosNet™ • **Easy Internet connectivity for other products in the house** - SonosNet can stream any data in between its nodes. A BRIDGE has two Ethernet jacks on the back to bring standard Internet connectivity to your set-top box, PVR, PC, Game Console or NAS drive • **Extend the range of the Sonos system** - stream music wirelessly to a remote location by placing a BRIDGE in between a Sonos component and the rest of the Sonos system. • **Expand the wireless reach of the Controller**- improve Controller access to SonosNet by placing a BRIDGE in areas where wireless coverage needs a boost. Ideal for retrofits, where all Sonos components might be in one location instead of being placed throughout the home.
Wireless Connectivity	SonosNet 2.0, a secure AES encrypted, peer-to-peer wireless mesh network
Internet Connectivity	Internet connection required for system-wide access to Internet radio stations, online music services and software updates (DSL, cable modem or LAN-based high-speed Internet connection required.) Internet functionality may require payment of separate fee to a service provider; local and/or long distance telephone charges may apply.
Join Button	Automatic wired or wireless setup of Sonos system
Front Panel Lights	BRIDGE status
Power Supply	Slim external power adapter, Output: DC 5V, 2A
Dimensions (H x W x D)	1.61 x 4.33 x 4.33 in. (41 x 110 x 110 mm)
Weight	0.59 lbs (270 gr)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Finish	Light gray/high quality polycarbonate material

* Specifications subject to change without notice.

SONOS DOCK

Feature	Description
iPhones and iPods Supported	• iPod touch (1st, 2nd, and 3rd generation) • iPod classic • iPod nano (3rd, 4th, and 5th generation) • iPhone 4, iPhone 3GS, iPhone 3G, iPhone
Wireless Connectivity	SonosNet™2.0, a secure AES encrypted, peer-to-peer wireless mesh network
Rear Panel Join button	Join Sonos household
Rear Panel Lights	Indicate DOCK status
DC Power Supply	Input 100-240 VAC, 50-60 Hz; Output 5 VDC, 2A
Dimensions (H x W x D)	1.1 x 3.8 x 3.2 in. (28 x 97 x 82 mm)
Weight	0.34 lb (155g)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	4°F to 158°F (-20°C to 70°C)
Product Finish	White
Audio	
All Digital	The SONOS DOCK directly accesses the digital music stored on your iPhone or iPod and sends it wirelessly to Sonos components all throughout your home.
Autoplay	Autoplay from a docked iPod or iPhone to any Sonos component or grouped rooms.

* Specifications subject to change without notice.

Index